CSE142 Lecture Questions for Wednesday, 1/6/21, Section A

Time (e.g., 12:45)	Question	Answer
	I am confused about where we should be doing the homework assignments meaning are we using Jgrasp to write the code and then submitting the .java file to the homework bin?	Yes. There is a turn-in link available from the homework tab. You turn in the class file that you have created using jGRASP.
	How many total HWs will there be in the quarter?	8
	Will we be using Ed this quarter? Can I get a link to that? Joined the class late.	Just an Ed message board. There is a link to the message board on the main class page: https://courses.cs.washington.edu/courses/cse142/21wi/
	For these question of the days that we can submit, does it have to be course related or can it be a "fun" question like the first two?	I prefer fun questions.
	Am I able to use IntelliJ instead of Jgrasp to turn in the class file? (Thank you!)	yes
	Have the cse 190 labs started yet? Is it too late to join? Thank you!	We haven't started them yet, so there is still time. They will begin next Tuesday. I will send out email later today when you will be able to register.
	Hi I would just like to know in what form will we meet with our TAs. I am in section AI so it will be tomorrow. Will it be on zoom and where is the link please? (Thanks for your time!)	It will be on zoom. The zoom links will be posted later today.
	Do we know how many points each specific homework is worth?	Yes. Most will be worth 20. This first homework is worth 10.

	Since you said that labs will be available for everyone, is it still necessary to register when it becomes available? Or can we just practice on our own? thx!	You can just practice on your own, but then you won't get a unit of credit for doing so.
	When will the access be available for 190? Was there an email? Thank you Professor!1!!	Not yet...later today.
	Is visual studio code an acceptable app to create my code on? Ok thanks, I will try it.	I don't know how well that handles Java code so it's hard to say. We only guarantee that jGRASP works well.
6:40	How many credits is CSE 190 worth? On myplan i think it said 1-5, how is it decided how many credits the class is worth because i dont have many credits left to work into this quarter	The 190 number is used by several different CSE classes. Our 190 labs are 1 unit each.
	Will grading the first HW be less harsh compared to the upcoming HWs in regards to the style points?	Yes. I have listed the "general style deductions" that are relevant along with anything that is clearly mentioned in the assignment writeup.
	When you said that we could not use "System.out.print" does that include "System.out.println"? Okay, I figured. Thank you	No. You will definitely use System.out.println. There is a variation that is System.out.print and that's the one you should avoid.
	Just wanted to ask if Eclipse was also an acceptable IDE. I know jGrasp is the one guaranteed but do/can students use Eclipse as well? (Thank you :))	yes.
	This is sort of a dumb question, but what would be a good title for your lecture/our notes for the day? Static methods? Ok, thank you!	For today's lecture? Static methods.
	For the homework, should we start doing it right away, or wait until we watch the lecture for Monday? Okay, thank you!	I will always cover everything you need for the homework when I pass it out. So you can start right away. Starting early is good. The only caveat I would have is that section will also cover this material, so it can be helpful to attend that if you're confused about anything.

	Good morning professor! What exactly do we work on during our discussion section on Thursday? Thank you professor!	The TAs will go over small problems that cover the same concepts from lecture. They also will give you helpful hints about how to use things like jGRASP and they can answer any questions you have.
	On the homework, I know you have to use static methods. What do we name those static methods?	You get to decide what to name the static methods. We only specify the class name.
	When should we sign up for practiceIt? Or is it just something we can do if we want more practice? Okay thanks!	I would go ahead and sign up for PracticeIt. We use it in section and the labs and it's very helpful.
	So for the homework, are we NOT allowed to use indents such as pressing tab for new lines to make code more organized?	You should indent and the easiest way to do that is to use the tab key. That's what I do when I demonstrate things in lecture.
	For exams, are we allowed to run through the written codes in jgrasp before turning it in? Okay, thanks.	No. I know it can be frustrating, but we have always done paper and pencil exams.
	Are we allowed to check our homeworks with our TA's?	No. That would be what we call "pre-grading." You can ask TAs general questions about style and requirements for the homework, but you can't ask them for early feedback.
	I know we should use indents by pressing tab but the homework says to "readability errors: • no indentation" so that means to not use the tab key this homework right?	I think we've confused you with the way we worded that. Those are general style errors, so it's saying it would be an error to have "no indentation."
	For homework, it does not matter how much line it takes up? Because yesterday I was using practice- it and one of the question was to not be repetitive so I had to do static void method Thank you	I wouldn't worry just yet about how long your solutions are. We tell you exactly what we want you to be focusing on for the different assignments. For this first homework we want you to focus on using static methods for structure and redundancy, as explained in the lecture. That might lead to a fairly long program.
15:55	So for the first homework, we should only use chapter 1 in our homework since that is what we have/will learn? Thank you.	yes

24:48	Some of the semicolons and close parenthethis/quote marks are red. Oh okay!	Excellent observation...wait for the discussion coming up.
	This is unrelated to today lecture, but how is grading determined beyond the place holders you put on the syllabus. (like percentage above the 3.5)	We have specific grading standards for each homework assignment. So we will show you what points you earned and which points you missed for each assignment.
	When will we be given the prompt and syllabus for our first homework assignment?	It is available now under the homework tab.
	Can you give me an example of a method? Im still a little unclear on what that would look like/what that is.	I introduce many methods during the lecture, so perhaps you just need to watch a bit more of the lecture.
	If we do the assignment (HW 1, for instance) early and then find a typo, can you resubmit it? Ok	Yes. You can submit as many times as you want between now and the due date and we'll grade the last submission.
	Are the title of methods always lowercase or does it not matter?	Method names should begin with a lowercase letter (that's the Java convention). It's a style issue in that Java doesn't enforce this rule.
	Why do you need to do System.out.println command for each line, but not close the " and)?	You do need to close the println command...watch a bit more of the lecture...I get around to doing that.
	Do we need to compile every time we run the code? What is the purpose of compiling the code?	You need to compile every time you change the code. The compiler translates it into an executable form.
	Were we supposed to turn in our Hello.java?	No. I'm expecting you to turn in homework 1 next Tuesday.

	Why is it that only some backlashes need to be doubled but others it ok with just one Ohhh I get it thank you	There is a general issue here that it can be tough to quote things. We first saw that this was a problem for strings because we use the double-quote character to indicate the beginning and end of a string. That's why we needed some way to include an actual quotation mark inside a string. And that led to a second quoting character, which is the backslash. Because we decided to make it a quoting character, then it also has some odd details like having to use \\ to get an actual backslash.
	For a blank space, should we use System.out.println(); or System.out.println("") is one better than the other with using the quotes inside?	It's better to use the empty parens (your first example).
27:58	This is just for clarification.. So are we allowed to use \? You mentioned earlier that was part of homework deduction points but used it for the code.	The writeup mentions that you shouldn't use the escape sequence \n
	Do strings always end up black?	I have jGRASP set up so that it color codes strings in red. The general zode like the parentheses for System.out.print234 are black.
	Oh! So \ and the escape sequence \n meant two different things? Okay, thank you!	Yes.
	Just for clarification, \" becomes an escape sequence and \\"?	\" is an escape sequence that represents " \\ is an escape sequence that represents \
Minute 39	Should we be including comments similar to yours in lecture in our homework?	For homework 1 we ask you to have a comment for the class that mentions information about you and that includes a short description of the program. Starting with homework 2 we will ask for comments on methods.
	Why are some of the) and ; in red?	Good observation...watch a bit more because it's an error that needs to be fixed.
	For style is it important that we include a space between [] args in defining the main method	It's personal choice.

	When creating methods is there a limit for how long the name of the method should be? Is the more descriptive the better?	In Java we generally prefer longer names if they are more descriptive.

	For spacing is this bad style?
	
	public static void methodName () {
	}
	
	Or this bad style
	
	public static void methodName() {
	}
		It's a matter of personal choice, but it's good to be consistent.

	What commands should we end with a ";"?	Every command in a method has to be terminated with a semicolon.
35.05	Is there a reason why the stop sign was labeled as "stopSign" (the S in sign is capitalized and the s in stop isn't)	The convention is to start method names with a lowercase letter, which is why we start with "stop", but then to use "camel casing" for words that come later, which is why we capitalize Sign when it comes after stop.
	What should we have ready for our first quiz section with our TA tomorrow?	You don't have to do anything special to prepare.
	I don't think the size of my indent is the same as the size of your indent; does that matter?	I have set jGRASP to indent by 4 spaces because that's what I prefer. By default jGRASP uses 3 spaces. You can use whatever indentation amount that you like.
	In the list of things that arne't allowed for hw, you mention we can't use System.out.print, are we still able to use System.out.println?	Yes, you will have to use System.out.println.
	Does it matter how many spaces between the end of a command name and the {?	It's good to be consistent.
	How many questions should I ask everyday on Practice-It? I want practice but I aslo don't want to spend alot of time on it. May you give me some suggestions on how to practice?	I think that will depend on whether you feel you have understood what is covered. In some ways, it might be better to work on homework and to go back to PracticeIt if you're struggling with the homework.

	Why do you say "public static void main" but not "public static void static"? Why doesn't it end up being "public static void static Egg"?	The methods we are writing for now will all begin with "public static void", but then we give the name of the method. There isn't a reason to say static a second time.
	How do you zoom out your text in Jgrapse?	I'm not sure what you mean. There is a horizontal divider that I am clicking on and holding down the mouse while dragging it up and down.
	If I were to \ to anything, like \v \) \f \. That would become the end sequence for v,),f, and .?	Most of those would be considered illegal escape sequences. There is a table of legal escape sequences in the notes for Monday and in chapter 1.
	For the homework assignment if we were to choose an animal that requires us to change a to an, would we be docked points for not having the same	Not in the custom verse.
	For clarification, the specification for homework includes all details and things we should be including/looking for? Including style and comments we should include for each homework assignment?	I would say that the assignment writeup includes many but not all requirements. You'll also want to look at "general style deductions"."
	Do you have the code from the lecture posted somewhere?	I will post three versions of the Figure program later today.
	On the homework, when we put it to find differences, it should be normal to have differences because we're creating our own verse at the end, correct?	Yes, you will see differences for that and you can ignore those differences.
40:30	I am at the part of the lecture when you named the different figures, can we make up our own names? Or does it have to be specific names Thank you.	Yes, you will make up your own names for methods.
	Why does tophalf come after all of the other commands?	You can have your methods in any order that you like. I liked the idea of having main followed by the four methods it calls followed by the lower-level methods called by those methods. But you can have these in any order.

	In the output comparison tool, it's showing < under differences. What is this referring to?	It uses arrow characters to indicate which file the difference came from (pointing left or right).
	Also I was doing practice it and it asked about binary numbers I was wondering if we have to memorize	No, you aren't expected to know binary.
	Just to clarify, there is always only one class in each program right?	Later when we get to chapter 8 we'll see that there can be many class files associated with a program, but until then, yes, every program will have one class file associated with it.
	Hello, I just want to make sure I am understanding this correctly. I know that there are specific style details we have to follow such as class name, indentation, etc. but for indentation it will not matter if used 3 spaces vs. four, correct?	correct.
	Following up on the question about the output comparison tool, it looks like the shape I produced matches, but there's an extra line of spacing between the sections of the shapes on the green side? Do i need to print an extra system.out.println()	That would indicate that you have an extra System.out.println() being executed somewhere.
	Once we have finished our homework are we allowed to email you or the TA for help? Or do we have to turn it in and pray for the best. thank you	No, we consider that "pre-grading." Your TA can answer questions about style and homework requirements, but we don't give early feedback.
	Will all the hw and assignments for the quarter be laid out for us this quarter? Is it due the same day every week?	Each week we will release a new homework assignment available from the homework tab.
27:35	Wouldn't you need to add \\ to the \" so you'd end up with \\\"? Because Right now you only have \\" Why wouldn't the computer read that as \"	I replaced the backslash with a double-backslash. That is interpreted as a single backslash character. System.out.println(" /......\\"); It reads your program from beginning to end, so it encounters the \\ first before it sees the quotation mark.

	But from \\" how would the computer know to look at \\ as the escape sequence and not \" thanks!	
	Why did you use camel casing for the method samed teacup? OHHH got it thanks	Haha...I almost did, but if you look it up, "teacup" is one word (in the dictionary).
48:31	Just to confirm for the homework, exact lines of text should only appear as a println once and more complex text does not?	One of the requirements is that any given println that prints specific text should appear only once in your program.
	What is the preffered method of {} to enclose a class and methods in this class?	The textbook uses the style where the open brace is at the end of the method or class header. Some people like to have it on a separate line and that's okay as well, but be consistent.
	When programming, would you recommend that we keep structure and redundancy in mind as we code for our first try or focus on having the correct output first and then fixing for redundancy, etc. (as demonstrated in the lecture)	This is a hard question to answer. Obviously it would be best to write a great program from the very beginning. But you're learning. Given that, it probably makes sense to get the right output first and then think about improving style. So I guess I'm saying that if you CAN write the great program right away, do that, but many people can't.
	Im confused why you named the program Figure.java when you saved the program? Shouldnt it be saved as just Figure and the .java is automatically attached when saving ?	Probably jGRASP would have automatically given the .java extension, but it was easy enough for me to type it. I type fairly quickly. :-)
	Should we include comments in the homwork?	For homework 1 I only asked for an overall class comment that has information about you and a description of what the program does. Starting with homework 2 we'll ask you to also comment each method.
	Do we need to write a method for one line that is being repeated? (in the homework)	The homework says that any non-blank println should appear only once in your program.
	For some reason my tap only has 3 spaces. Is this ok?	Yes, that's the default in jGRASP. I set mine to be 4 spaces, but that's a personal preference.

	Are method names given for the homework or can we choose our own?	You will choose your own names for methods.
	Im trying to do static methods on the homework but its saying invalid method declaration; return type required What do i do?	You probably forgot the word "void" (have to start with "public static void" before the method name).
	Are there better ways to abstract the methods should go in main than others? How do you determine that?	We want you to practice writing good main methods, so that's going to be something we ask you to work on for each homework and we'll give you feedback about what we think about the choices you make.
	How to set my tab = 4 spaces?	There is a Settings tab in jGRASP with a submenu "CSD Window Settings" and I set it for both "file" and "workspace."
	Is it possible to put a static void within another static void?	No, but as you've seen, you can have one static method call another static method.
	What happens when we put // within a code? Like System.out.println("//")	If you put it inside a string, then it just represents two slash characters. If you put it in the middle of code, it will tend to break it, as in: System.//out.println("whatever");
	Should we do the static methods on top or on bottom of the code?	This is a matter of personal choice. I assume you're talking about the order of the methods. I put main first because I prefer that. Others like main at the end.
39:12	Why did you add the println to each of the method list? Is that necessary for the code to run? Is that necessary for the style?	I mentioned that you could put the System.out.println() either in main or in the methods called by main. I believe that my co-author Marty Stepp intended them to be in main, so I did it that way for this example.
	After moving the file of codes, the codes cannot run. is there any way to run it without reopening? Yes, I mean I moved the file of .java	I'm not sure I understand. You have to have jGRASP open to run a program. If you rename a Java class file, you will have to recompile before you can run it again.

	What do you mean when you say "class header missing or doesn't describe both student and program"? What student information do you want us to provide? What type of comments do you want to see in the HW? Do you expect very detailed comments of our thought processes and each method? Oh ok thank you!	Information about you (name, date, TA, etc) and a description of the program in your own words. I haven't asked you to comment on your thought process.
	So we have to use static methods for every verse that repeats in the song?	You have to have one method per version and you have to use methods to eliminate redundancy. The rest is up to you to figure out.
	By version do you mean paragraph?	Verse, not version. The verses in the song are separated by blank lines, so they're like paragraphs.
40:56	Why would you need a blank System.out.println() in either the main or methods? Thanks!	You need that to get blank lines separating the different subfigures.
	I understand we can use system.out.println() in our main method but can we use space() to further organize? To make space() a method for system.out.println() Okay thank you!	I don't know what you mean by space(). I wouldn't recommend making a method that calls System.out.println(). Once you get used to using System.out.println, it's clearer to just see the call on the method than to have it in a method with a different name.
	I notice that we can type in run I/O, what is this for? Isn't this place for feedback from computers?	I've never used the Run I/O tab. I'm not sure what they had in mind. I use the interactions tab all the time.
42:17	So should we be adding a "summary" of the static methods so to speak for each main method?	No. The main method itself should serve as something of a summary.
	When you said we can't use system.out.print, does that mean we can't use it in static method?	You can't use it in the homework anywhere. You should just use System.out.println.