

CSE 121 – Lesson 1

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Summer 2023

Music:  [k-pop girlies playlist](#) 



[sli.do #cse121](https://sli.do/#cse121)

Announcements, Reminders

- Check out [course website](#) for links to all activities, materials
- Creative Project 0 has been released
 - Due 6/27, 11:59PM
 - Can post on Ed for questions!
- The IPL will open on Monday (June 26, 12:30 PM)

Escape Sequences

escape sequence: A special sequence of characters used to represent certain special characters in a string.

- `\"` to produce `"` in a String
- `\\` to produce `\` in a String
- `\n` to produce a new line character (or line break) in a String
- And there are more!

Activities in Class

- **Goal:** To get you actively participating in your learning!
- May ask you to think and volunteer a suggestion
- May ask you poll in with a response (via slido)
- *Not graded* but strongly encouraged to maximize your learning and use of class time!

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- Common Format: **Think, Pair, Share**
 - Question is posed
 - **Think** about the question on your own
 - **Pair** up with your neighbor and discuss the question
 - Focus on *how* you arrived at your answers, whether they're the same or different!
 - **Share** what you discussed with the rest of the class!

 Turtle Time!



Image from: <https://wp.wvu.edu/turtles/tag/adorable/>



Turtles!

```
Turtle donatello = new Turtle();
```

Method	Description
<code>forward(<i>n</i>)</code>	Moves the turtle forward by <i>n</i> steps
<code>backward(<i>n</i>)</code>	Moves the turtle backward by <i>n</i> steps
<code>right(<i>d</i>)</code>	Turns the turtle right by <i>d</i> degrees
<code>left(<i>d</i>)</code>	Turns the turtle left by <i>d</i> degrees
<code>speed(<i>ms</i>)</code>	Sets the number of milliseconds it takes for the turtle to perform an action (e.g., if <i>ms</i> is 1000, then it will take the turtle 1000 ms = 1 second to perform an action like moving forward or turning).
<code>up()</code>	Picks up the turtle's pen so it doesn't draw when it moves
<code>down()</code>	Puts the turtle's pen down so it draws when it moves
<code>width(<i>w</i>)</code>	Sets the width of the turtle's pen to <i>w</i> pixels wide
<code>penColor(<i>c</i>)</code>	Sets the color of the turtle's pen to <i>c</i>

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Poll in with your answer!



Assuming we have created a Turtle named Donatello, what do you think the following commands would end up drawing?

```
donatello.left(90);  
donatello.forward(30);  
donatello.right(135);  
donatello.forward(40);  
donatello.left(135);  
donatello.forward(30);
```

- a) A circle
- b) A triangle
- c) The letter M
- d) The letter N
- e) A star