LEC 12

CSE 121

Putting It All Together

Questions during Class?

Raise hand or send here

sli.do   #cse121

BEFORE WE START

Talk to your neighbours:

What's your current favourite TV show?

Music: 121 25wi lecture playlist ❄️

Instructor: **Matt Wang**

TAs:

Ailsa	Alice	Chloë	Christopher
Ethan	Hanna	Hannah	Hibbah
Janvi	Judy	Julia	Kelsey
Lucas	Luke	Maitreyi	Merav
Ruslana	Samrutha	Sam	Shayna
Sushma	Vivian		

Announcements, Reminders

- Quiz 1 is tomorrow!
  - many resources available! practice quiz (& walkthroughs), starred section problems, PracticeIt, last-minute IPL help
  - if you're sick – email me <u>before</u> your quiz time
- Quiz 0 grades will be released early tonight (after B lecture)
- P2 is out & due next **Tuesday, Feb 25th**
- R3 due tomorrow (eligible: **P0**, C1, P1, C2)

Quiz Tips

- Prepare for the open-book quiz!

    - consolidate your notes & bookmark helpful resources

    - clean up desktop & tabs

- Budget your quiz time (45 minutes)

- Debugging & Programming

    - grading rubrics are in spec – read and think strategically

    - Pay special attention to "S" criteria, especially if low on time

- Reminder: work must be <u>yours</u> (no communication, no gen AI, …)

Feedback & Closing the Loop: The Good

```
swofferh's friends:
    gbuck21-haleyc22-macy16-mnats-
mxw-nwang913-gumball

hibbahk's friends:
    janvi26-jvdyfu
juliak24's friends:
    qsun05-ldhar-lukel7-parakhm

meravf's friends:
    rkorol-samkoro-sbabu23-
shay2022-sshan854-vwang2

mxw's friends:
    Please please please someone
add me back 😭
```

- <u>Your TAs</u> (esp. quiz sections & IPL) :)

- Practice Quizzes, problems, videos

- Pre-class materials

- Lectures (esp. live coding & interaction)

- Assignments

- Ed discussion board

- Classroom vibes & peer engagement

- Being funny (sometimes?) & empathetic

Feedback & Closing the Loop: Suggestions

```
💖 juliak24's Besties💖
--> qsun05  🪐
--> ldhar   🪐
--> luke17  🪐

💖 meravf's Besties💖
--> rkorol   🪐
--> samkoro  🪐
--> sbabu23  🪐
--> shay2022 🪐
--> sshan854 🪐

💖 mxw's Besties💖
--> No Besties 😔
```

Suggestions that we're already working on:

- time management & pace in lecture

- "how to read a spec" (trying this today!)

- more video resources*

More structured practice in quiz section

- we're super down! (TAs are thinking...)

- unsure about pair/group/all-class;
  we will ask you (on Ed!)

Feedback & Closing the Loop: Practice

```
╔══*Bestie List*══╗
 ✨ swofferh besties
     ♡  gbuck21
     ♡  haleyc22
     ♡  macy16
     ♡  mnats
     ♡  mxw
     ♡  nwang913
     ♡  gumball
╚══*..)✧ ✦ ✧☾..*══╝


╔══*Bestie List*══╗
 ✨ hibbahk besties
     ♡  janvi26
     ♡  jvdyfu
╚══*..)✧ ✦ ✧☾..*══╝
```

Practice can happen…

- in structured environments (e.g. quiz section, IPL)
- in unstructured environments (e.g. on your own)

Practice problems! (in order of relevance)

1. Practice quizzes, section problems
2. "Extra Review" problems
3. Pre-class & Lecture Problems
4. PracticeIt

Feedback & Closing the Loop: Transfer

```
♪ juliak24
    ♫ qsun05
    ♫ ldhar
    ♫ luke17
    ♫ parakhm

♪ meravf
    ♫ rkoro1
    ♫ samkoro
    ♫ sbabu23
    ♫ shay2022
    ♫ sshan854
    ♫ vwang2

♪ mxw
    ♫ I am so lonelyyyyyyy ♫
```

But: what we care about in this class is <u>transfer</u>: how can you use your knowledge on new tasks.

• won't ask you *exactly* what's on the practice quiz

• more practice quizzes has diminishing returns

• what programming in real life looks like!

Find yourself hitting a wall with practice (or on work)?

A sign that you should be doing something different!

Advice: reflect on what's working & talk to someone (office hours, IPL, or your bestie)

Feedback & Closing the Loop: In Closing...

```
|-  □   - swofferh's friends - □
-
|-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
|~~🧁 gbuck21-haleyc22-macy16-
mnats-mxw-nwang913-gumball 🧁~~

|-  💔  - hibbahk's friends - 💔
-
|-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
|~~🍎 janvi26-jvdyfu 🍎~~

|-  💚  - mxw's friends - 💚  -
|-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
|~~🥑 no friends LOSER! LLL
🥑~~
```

Reading specifications carefully is a skill!

- "Fun" fact: Matt has to read specs too...

Make use of the IPL!

- not *just* for homework help!
- some times are busier than others ... plan for this!

And finally, please keep giving us feedback!

One last C2 Extension

When war inevitably came to the kingdom of KaneHall,
King Matt assembled the most formidable army known to mankind.

Led by 5 of his most cunning generals, his brave soldiers marched into battle.

From the masses of his army, a voice rang out -
announcing the arrival of his generals and their most distinguised soldiers:

✠ swofferh's loyal soldiers ✠

⚔gbuck21
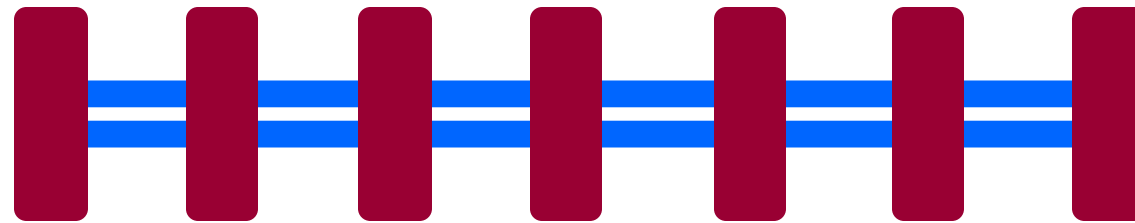⚔haleyc22
⚔macy16
⚔mnats
⚔mxw
⚔nwang913

Practice: Pair

Take a look at the "Spotify Wrapped" spec section on "determining the final message". Which conditional structure would you use?

A. if, if, if

B. if, else

C. if, else-if

D. if, else-if, else
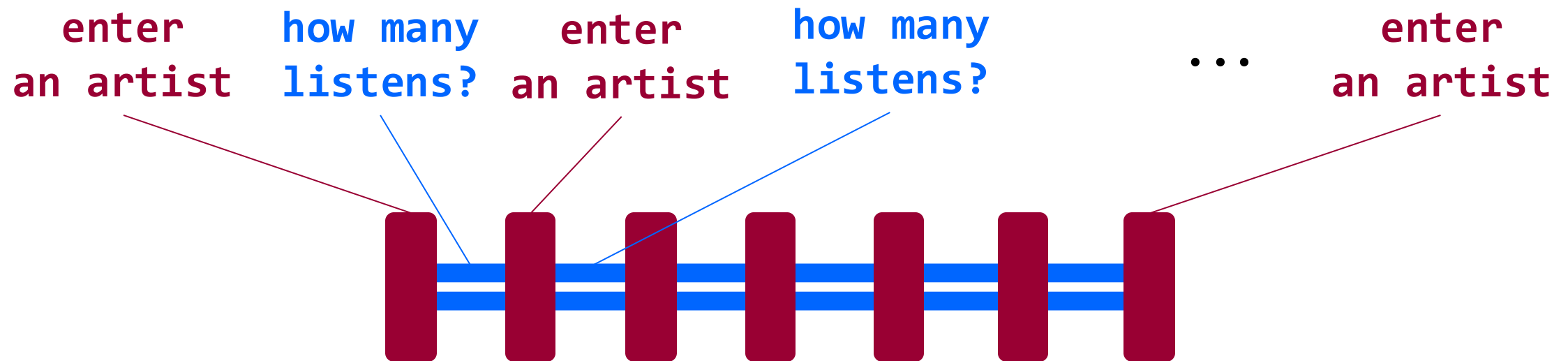
E. something else!

Reminder (again): Fencepost Pattern

Some task where one piece is repeated *n* times, and another piece is repeated *n-1* times and they alternate

Fencepost Pattern ... for User Input?

Some task where one piece is repeated *n* times, and another piece is repeated *n-1* times and they alternate

Announcements, Reminders (again)

- Quiz 1 is tomorrow!
  - many resources available! practice quiz (& walkthroughs), starred section problems, PracticeIt, last-minute IPL help
  - if you're sick – email me <u>before</u> your quiz time
- Quiz 0 grades will be released early tonight (after B lecture)
- P2 is out & due next **Tuesday, Feb 25th**
- R3 due tomorrow (eligible: **P0**, C1, P1, C2)