# J233
# Coding for Journalists

LECTURER
## Soo Oh

PROMPTS

## Get out a pencil or pen!

# Agenda

**Announcements**

**Homework Review: Control flow** review fun and games 🎉

**BREAK (at some point)**

If we have time: **Wrapping up the basics**

**Homework**

start Zoom recording

# Announcements

- No class next Monday for Indigenous Peoples' Day

- You can re-submit **Homework 0925**

- New **Homework 1002** will be posted in the next couple days — will change based on how far we get today

- Schedule office hours to have an informal chat about your final project with me in the next two weeks using this link (posted on class site): https://calendly.com/soooh/j233-final-project-chat
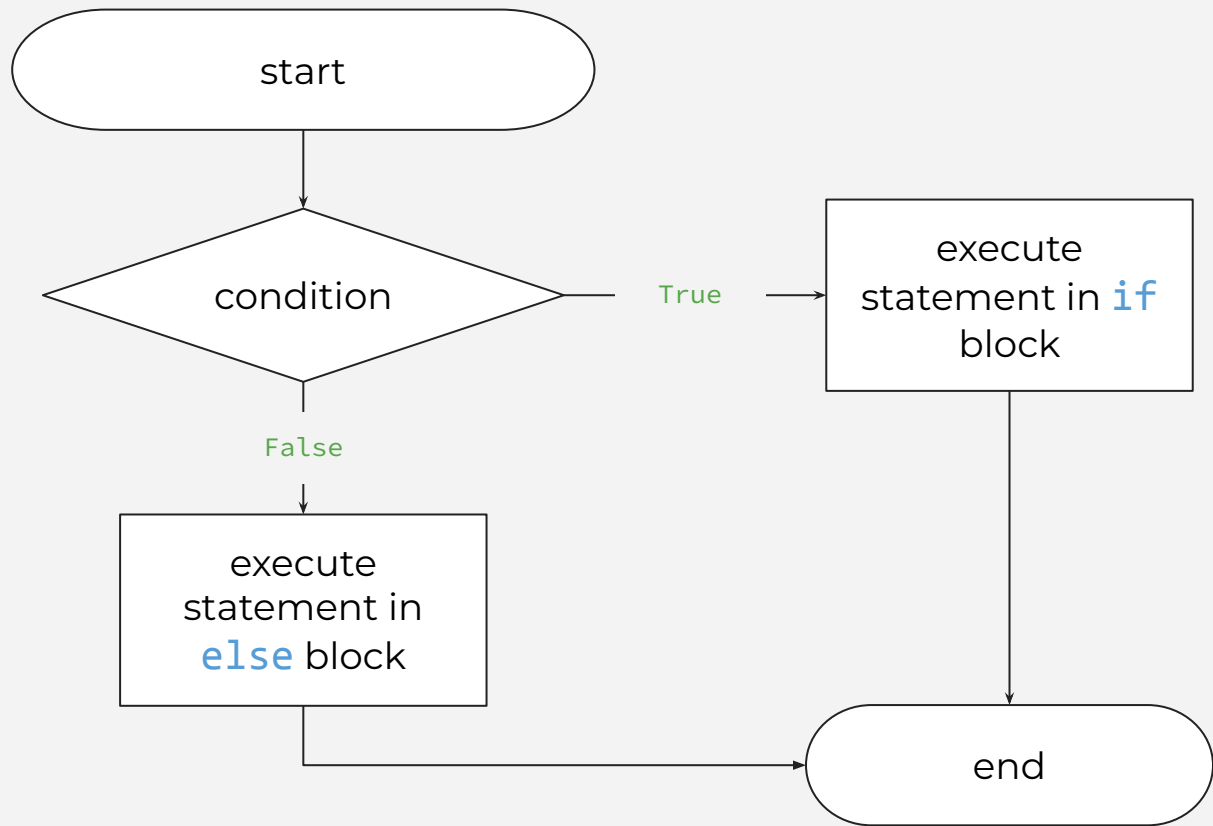
# What questions do you have?

# Homework Review

# How to cite ChatGPT

If you use ChatGPT, you need to **cite the specific prompt** that helped you. If it took several prompts to get the right answer, please list them all.

I will take off points if you do not list the prompt(s).

# if... else

# Diagram

Is a given number positive or negative?

🧵 **Take a photo of your answer and put it in the Slack thread**

# Diagram

Ticket prices based on age:

- Children (12 and under) enter free
- Teens (ages 13–17) pay $10
- Adults (ages 18–64) pay $15
- Seniors (ages 65+) pay $12

🧵 **Take a photo of your answer and put it in the Slack thread**

# Diagram

Homework: Draw a diagram that tells a user if a given age counts as a teenager.

🧵 Take a photo of your answer and put it in the Slack thread

# Break

Meet back in 15 minutes.

**7:51 p.m.**

# Diagram

Homework: Draw a flowchart for **`letter_grade`** that takes in a number between 0 and 100 and returns a letter grade.

🧵 **Take a photo of your answer and put it in the Slack thread**

# Diagram

Homework: Draw a flowchart for **letter_grade** that takes in a number between 0 and 100 and returns a letter grade.

**BONUS:** Write a lambda function that tells you if a grade between 0 and 100 is a passing grade.

🧵 Take a photo of your answer and put it in the Slack thread

# Diagram

Homework: Write a **number guessing game** that asks user to pick a number from 0 to 10. You as programmer can pick the correct number. If user guesses wrong, they are prompted again until they answer correctly. If user guesses correctly, then code will print "Correct!" Save previous guesses and print them after the user guesses correct answer.

🧵 Take a photo of your answer and put it in the Slack thread

# Diagram / Paper exercise

Write a function called `parity` that tells us if an argument is odd, even, or neither.

```
>>> parity(15)
'odd'

>>> parity(-48)
'even'

>>> parity(14.2)
'not an integer'

>>> parity('not a number!')
'not an integer'
```

# Diagram / Paper exercise

Using the pieces of paper, write a for loop that prints each activity and how long each activity is in the following format:

"We could go **biking**. It would take **60** minutes."

```
fun_activities = [
    {"activity": "biking", "duration": 60},
    {"activity": "watch a movie", "duration": 180},
    {"activity": "hiking", "duration": 150}
]
```

# Diagram / Paper exercise

Homework: **FizzBuzz** is a CLASSIC exercise. Write a loop that prints out numbers from 0 to 100, but replaces any number divisible by 3 with "fizz" and any number divisible by 5 with the "buzz". For a number that is divisible by both 3 and 5, replace with "fizz buzz". Hint: You'll be using the modulo operator.

Output:

```
0
1
2
"fizz"
4
"buzz"
"fizz"
7
```

# What questions
# do you have?

# Homework

https://journ233.github.io