

Sep 27th, 2018

CS 301 - Lecture 7

①

Logistics

Piazza

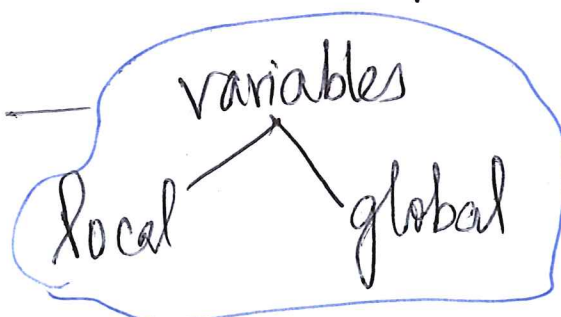
- ✓ 1. Project 3 released
- ✓ 2. Old exams posted.
- ✓ 3. Alternative exam sign up - due today
- ✓ 4. Labs - different format today

5. Feedback.

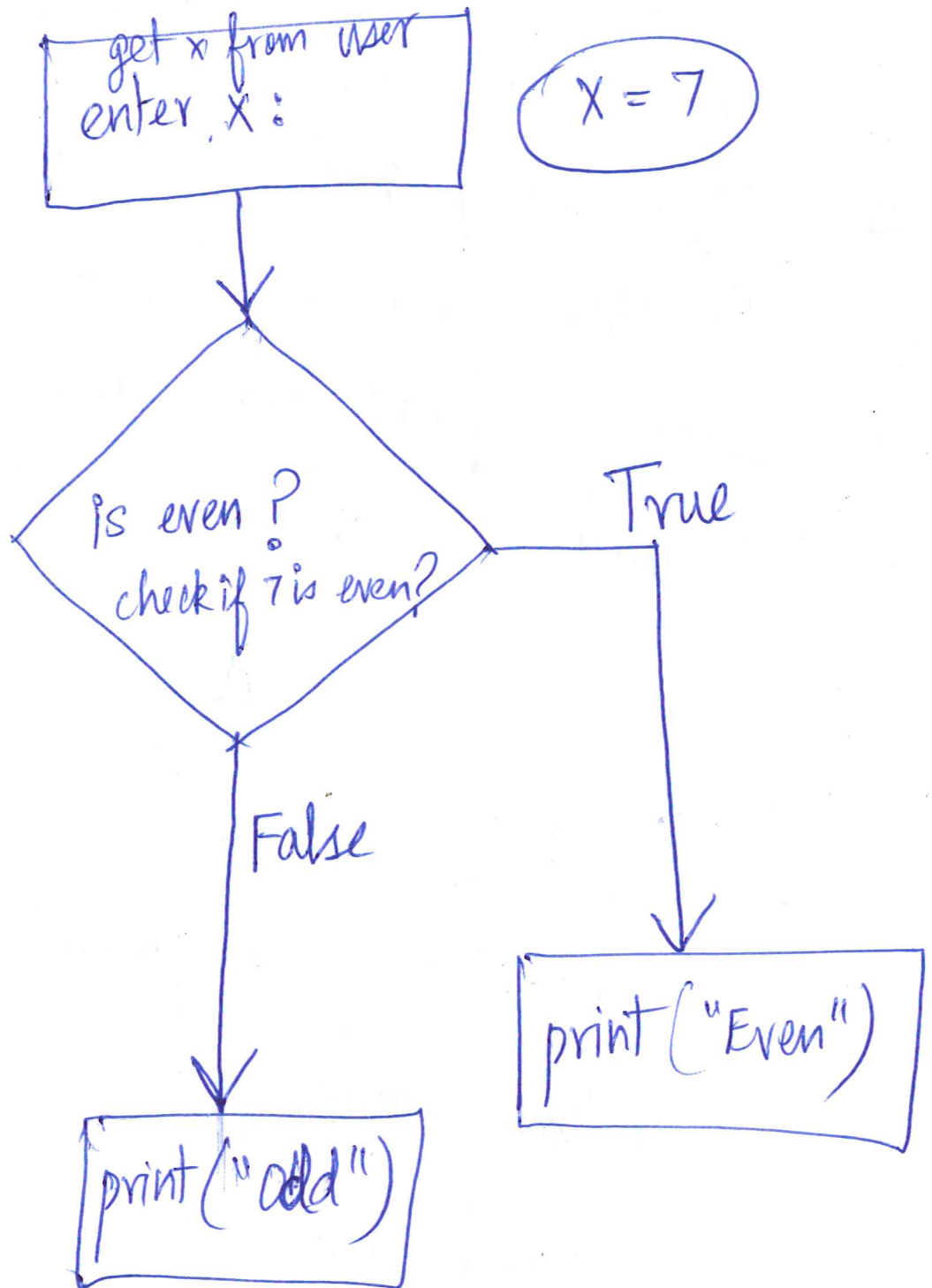
(X)

Review

- Functions
- parameters / arguments
- return value
- control flow



Conditional Statements (2)



③

→ num = input('enter num:')

→ num = int(num)

→ if num % 2 == 0:

print("Even")

else:

print("Odd")

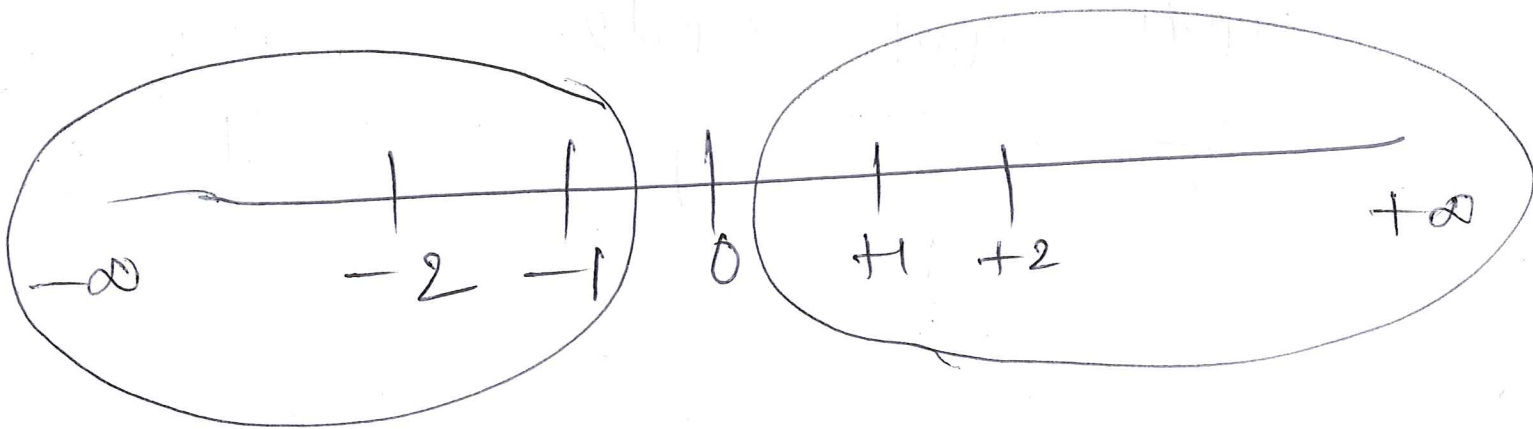
→ print("Good bye!")

$$7 \% 2 = \underline{1}$$

$$4 \% 2 = 0$$

$$1 == 0 \text{ False}$$

$$0 == 0 \text{ True}$$

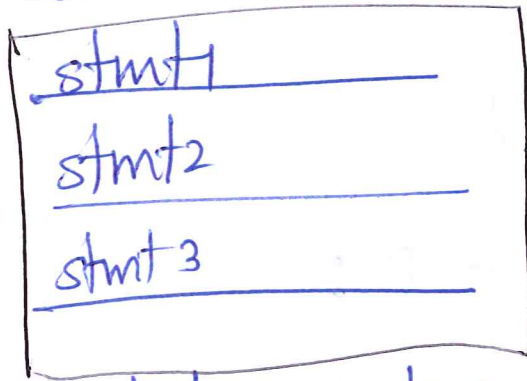


$$\text{num} > 0$$

$$0 > 0 \Rightarrow \text{False}$$

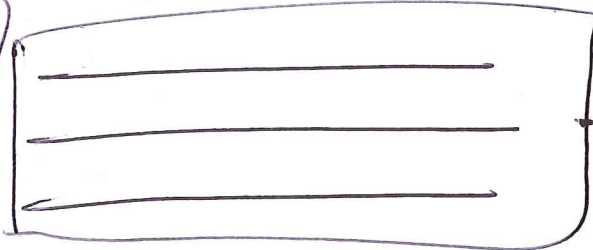
④

if boolean condition 1:



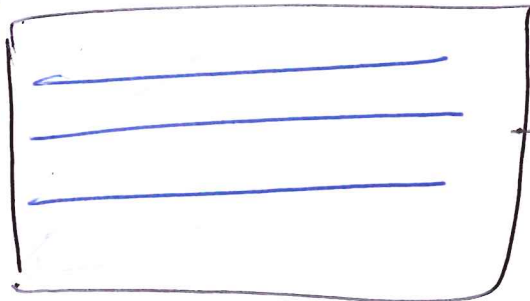
→ code block

elif boolean-cond 2:



→ code block

else:



→ u

cond1 and cond2

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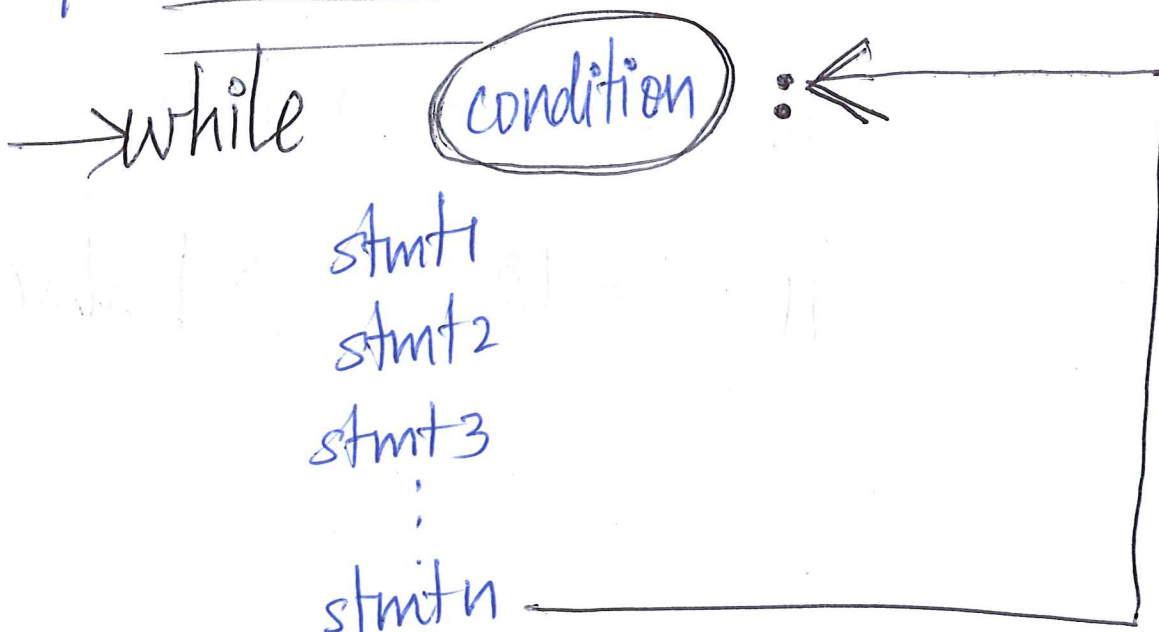
Life

→ wake up
→ breakfast
→ school
→ lunch
→ rest
→ dinner
→ sleep

loop

looping

Loops



num
10

6

1 2 3 . . . 10

while

(counter \leq num):

(1 \leq 10) \Rightarrow True

2 \leq 10 \Rightarrow True

⋮

(10 \leq 10) \Rightarrow True

(11 \leq 10) \Rightarrow False