

6

Conditional Statements

by Gladden Rumao

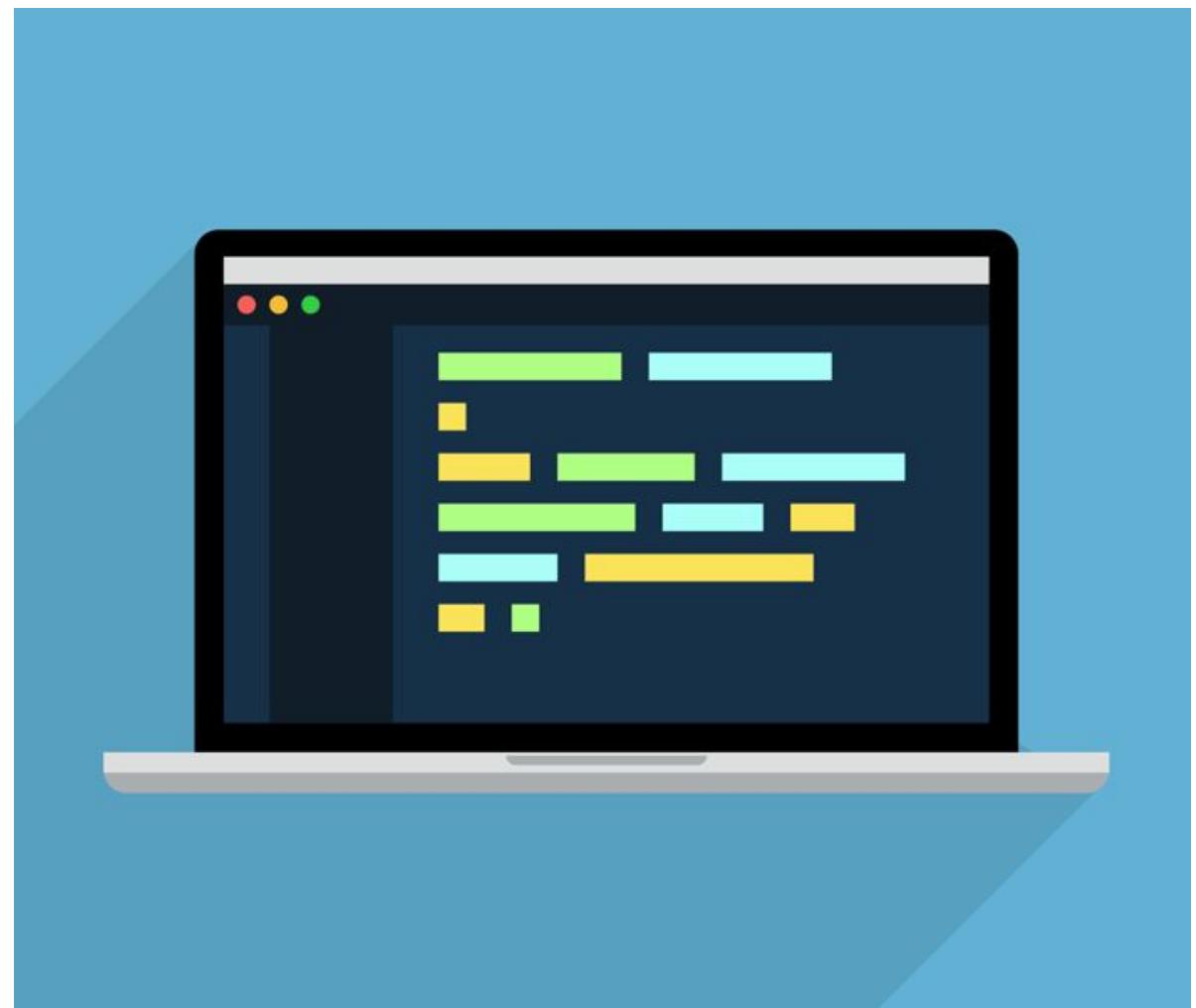
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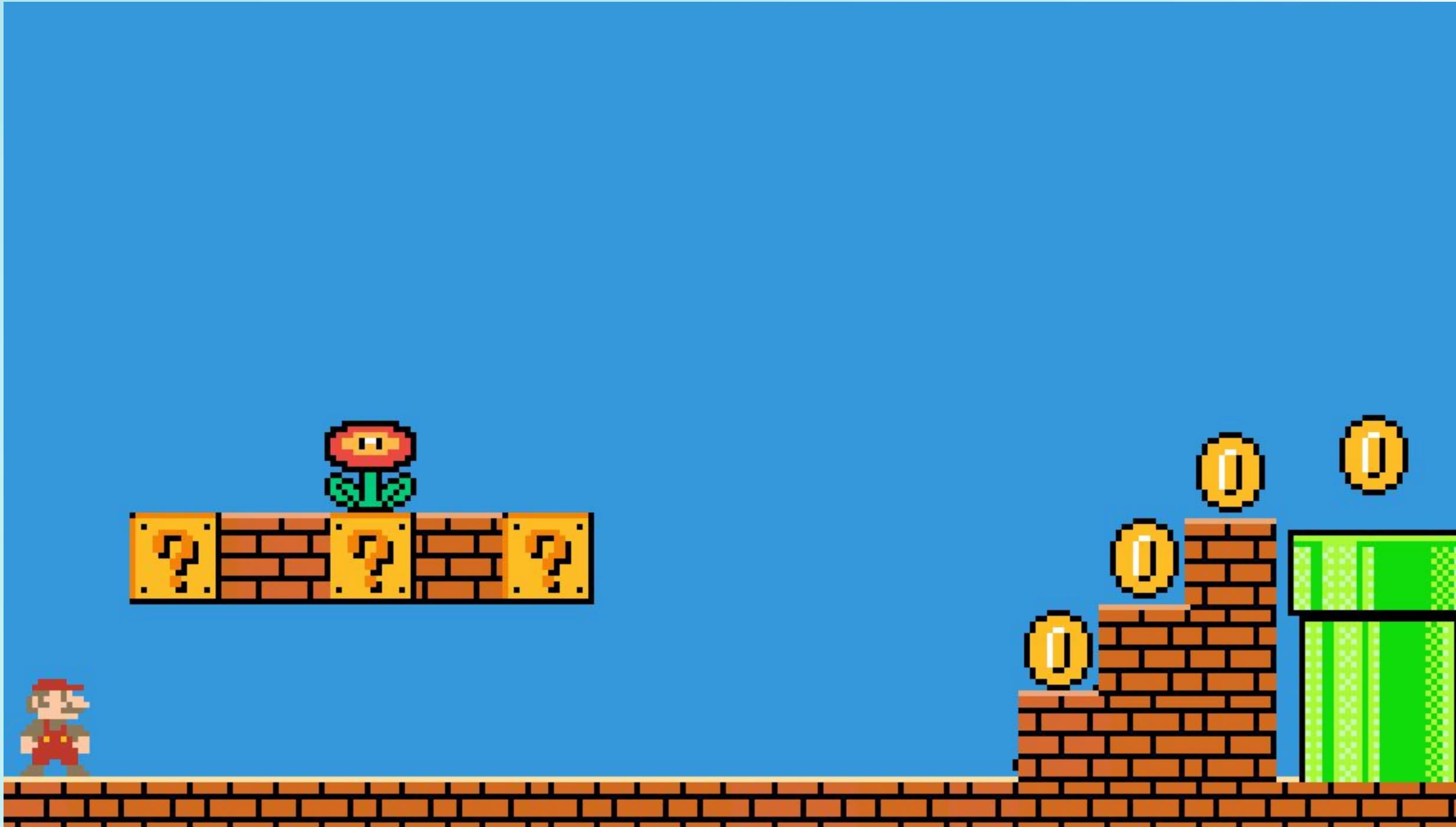
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Quick Recap :

- **Input() function**
- **Different data types with input()**
- **Arithmetic Operators**
- **Comparison Operators**



Let's Play Mario



Control Structures

Mario Points System

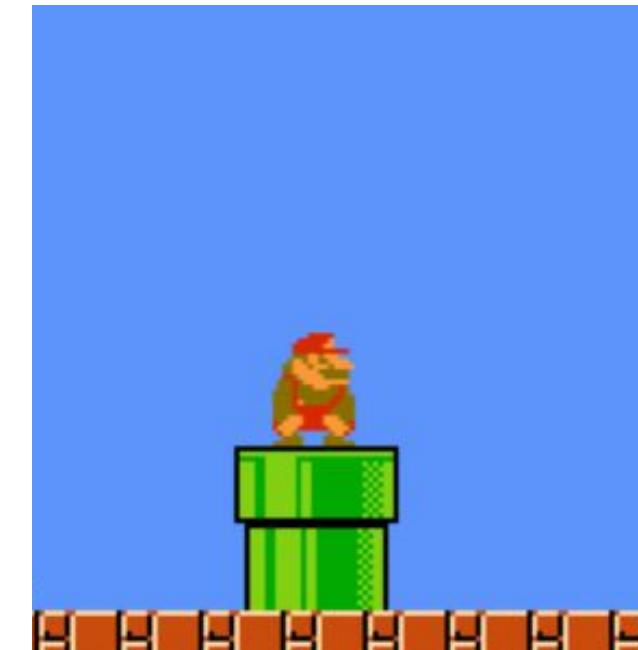
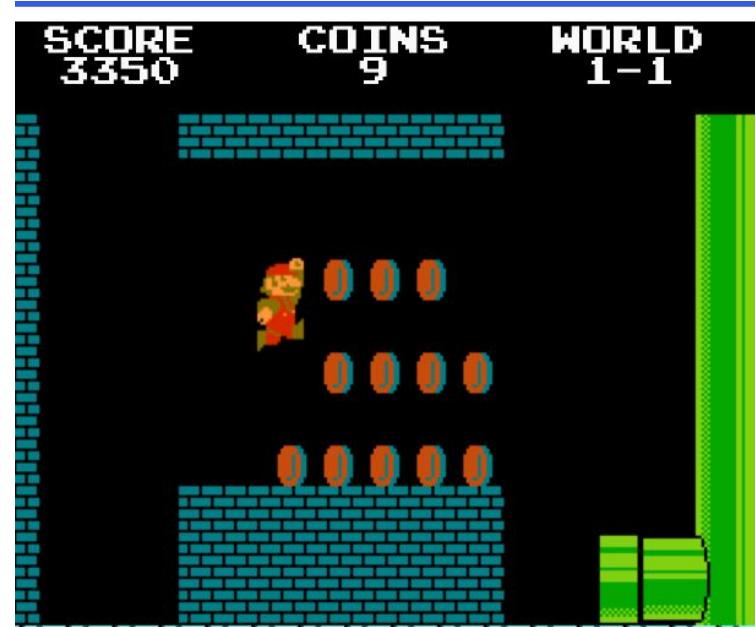
Decision Making (If) :

- **if** Mario jumps on the crab:
Crab dies and plus 100 points.
- **if** Mario hits the special brick:
Plus 100 points.
- **if** Big Mario hits normal brick:
Plus 50 points.



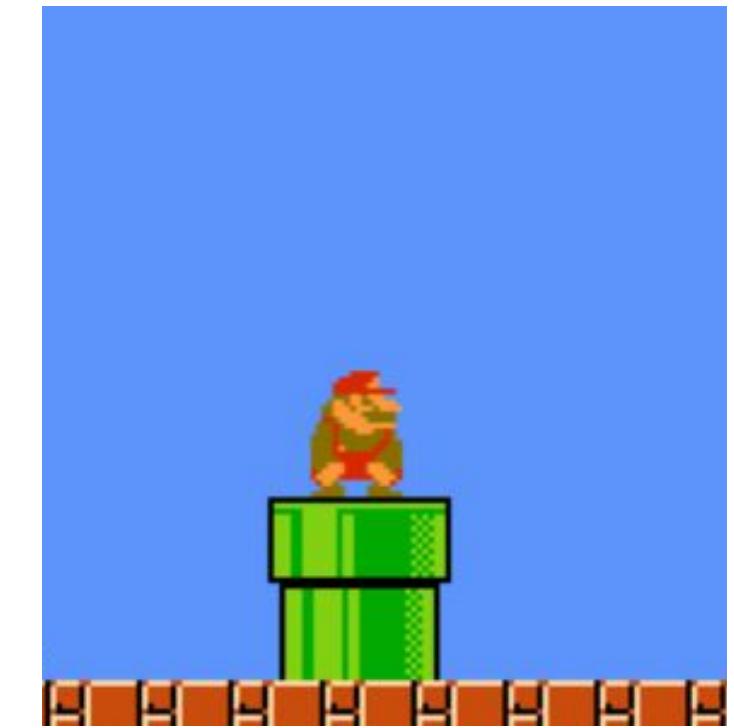
Mario and Pipes

- **if** secret path exists:
Mario goes to new universe.
- **if** secret path does not exists:
Mario continues in the same universe.



Mario and Pipes

- **if** secret path exists:
 Mario goes to new universe.
- **else:**
 Mario continues in the same
 universe.



Mario vs Crab

- **if** Mario jumps on the crab:
 Crab dies and plus 100 points.
- **else:**
 Mario dies



Mario vs Crab

- **if** Mario jumps on the crab:
Crab dies and plus 100 points.
- **else if** Mario jumps to the right of crab:
Crab doesn't die and Mario continues.
- **else:**
Mario dies.



Conditional Statements

Syntax: if, if-else

```
if condition:  
    # Code to execute if the condition is true
```

```
if condition:  
    # Code to execute if the condition is true  
else:  
    # Code to execute if the condition is false
```

Indentation

Syntax: if-elif-else

```
if condition1:  
    # Code to execute if condition1 is true  
elif condition2:  
    # Code to execute if condition1 is false and condition2 is true  
elif condition3:  
    # Code to execute if condition1 and condition2 are false and condition3 is true  
else:  
    # Code to execute if all conditions are false
```

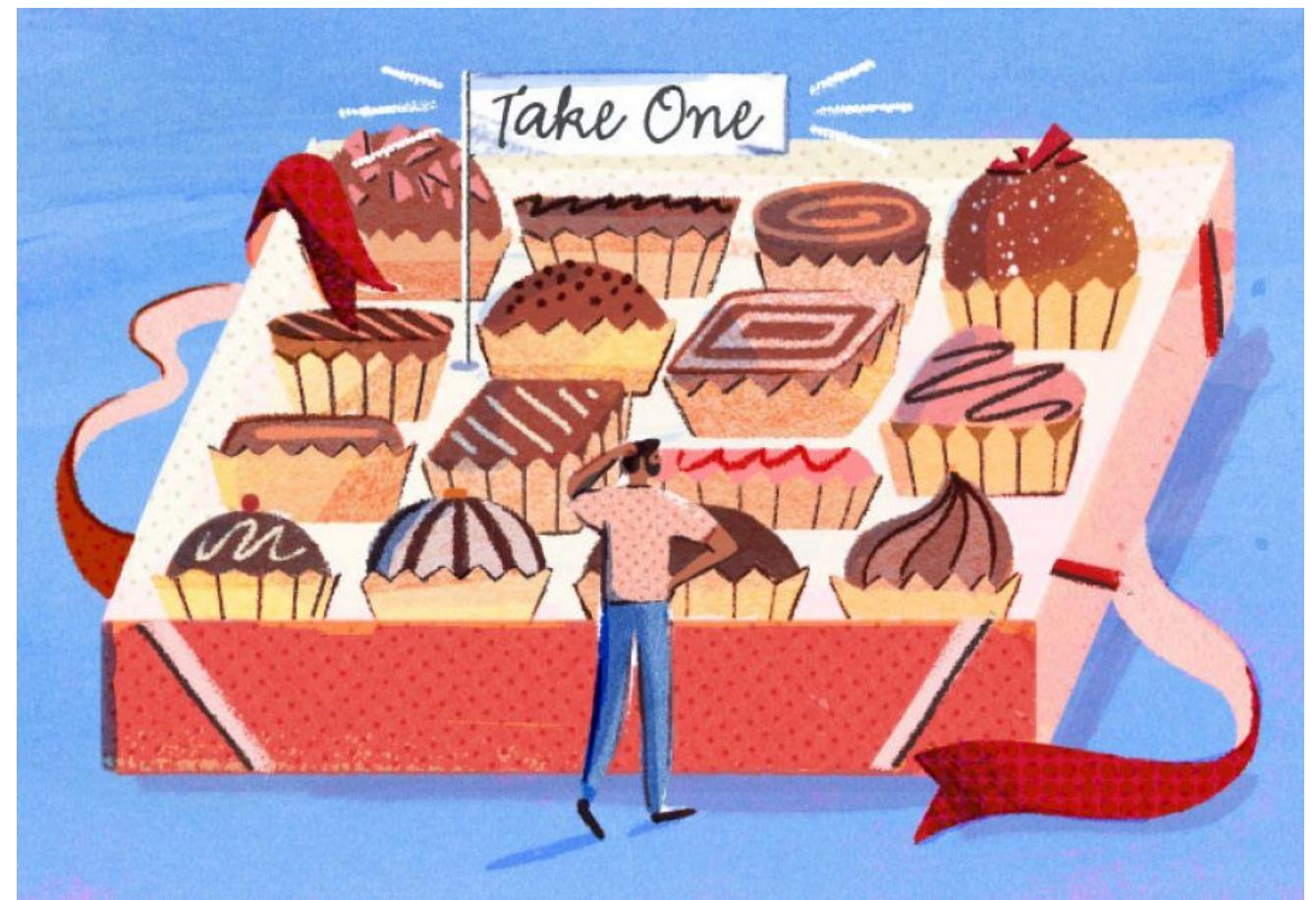
Conditional statements: if

```
● ● ●  
1 if mess_food == "Chole Bhature":  
2     print("Aaj toh maje. chalo mess!!")  
3 print("Still looking")
```



Conditional statements: if-else

```
● ● ●  
1 if mess_food == "Chole Bhature":  
2     print("Aaj toh maje. chalo mess!!")  
3 else:  
4     print("Order from outside")
```



Conditional statements: if-elif-else



```
1 if mess_food == "Chole Bhature":  
2     print("Aaj toh maje. chalo mess!!")  
3 elif pocket_money_left >500:  
4     print("Ordering cheese burst pizza")  
5 elif pocket_money_left >150:  
6     print("Ordering Indian thali")  
7 else:  
8     print("Fast rakhlu? Biwi khubsurat milegi")
```



Q1 - Even or Odd

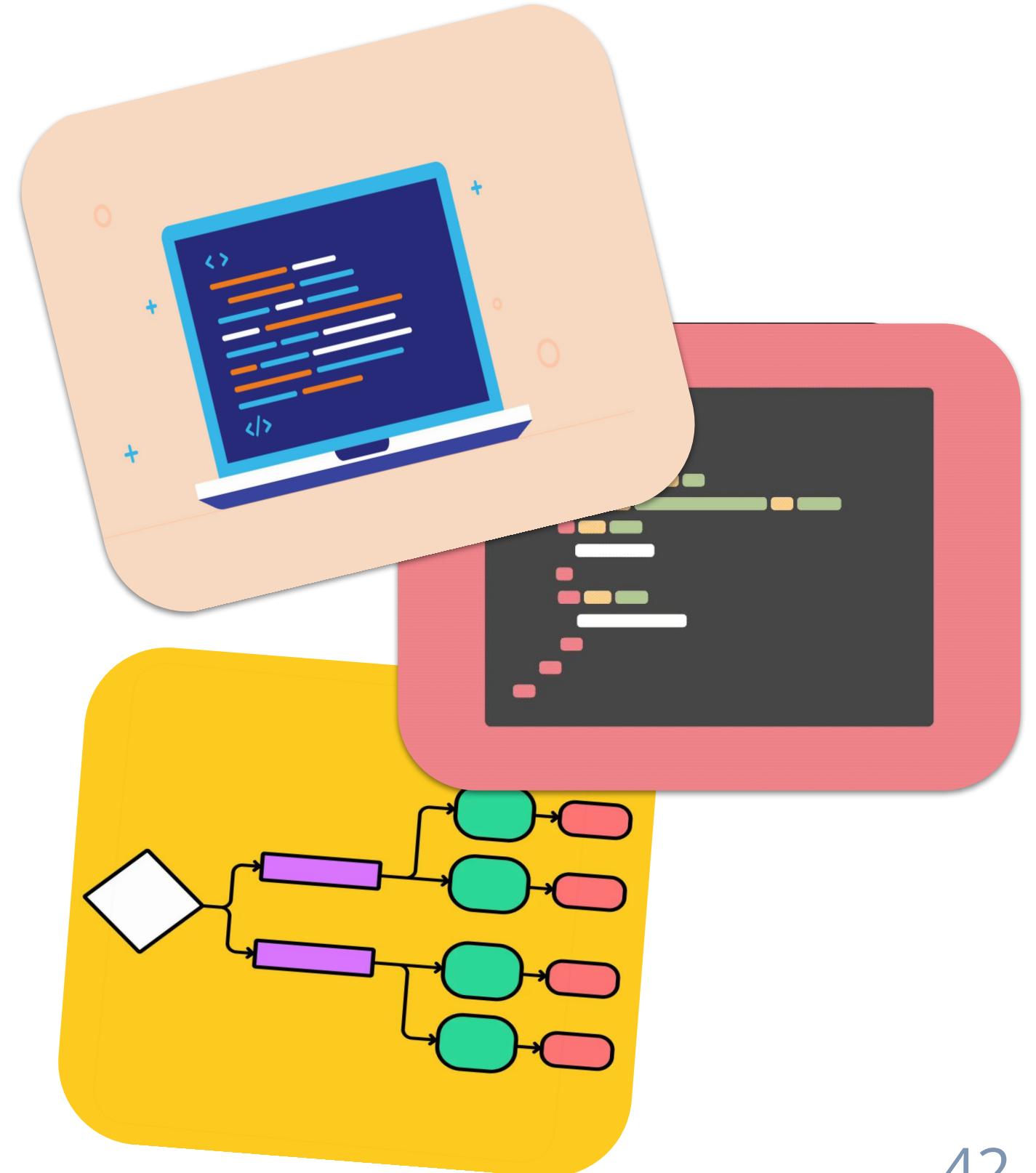
Q2-Grade Calculator

Q3-Compare Numbers

Please fill the feedback!

Summary

- **Control Flow structures:**
 - Conditional Statements
- **Conditional Statements**
 - if statement
 - if-else statements
 - if-elif-else ladder



Thank You!