



# Control Statements In Python

Moro Abdul Wahab



# Objectives

- Control Structures
  - If
  - If-else
  - If-elif-else



# Control Structures in Python

- Conditional statements allows us to change or alternate the flow of a program base on certain conditions
- Execute certain commands only when certain condition(s) is (are) satisfied (if-then-else)



# If else family of constructs

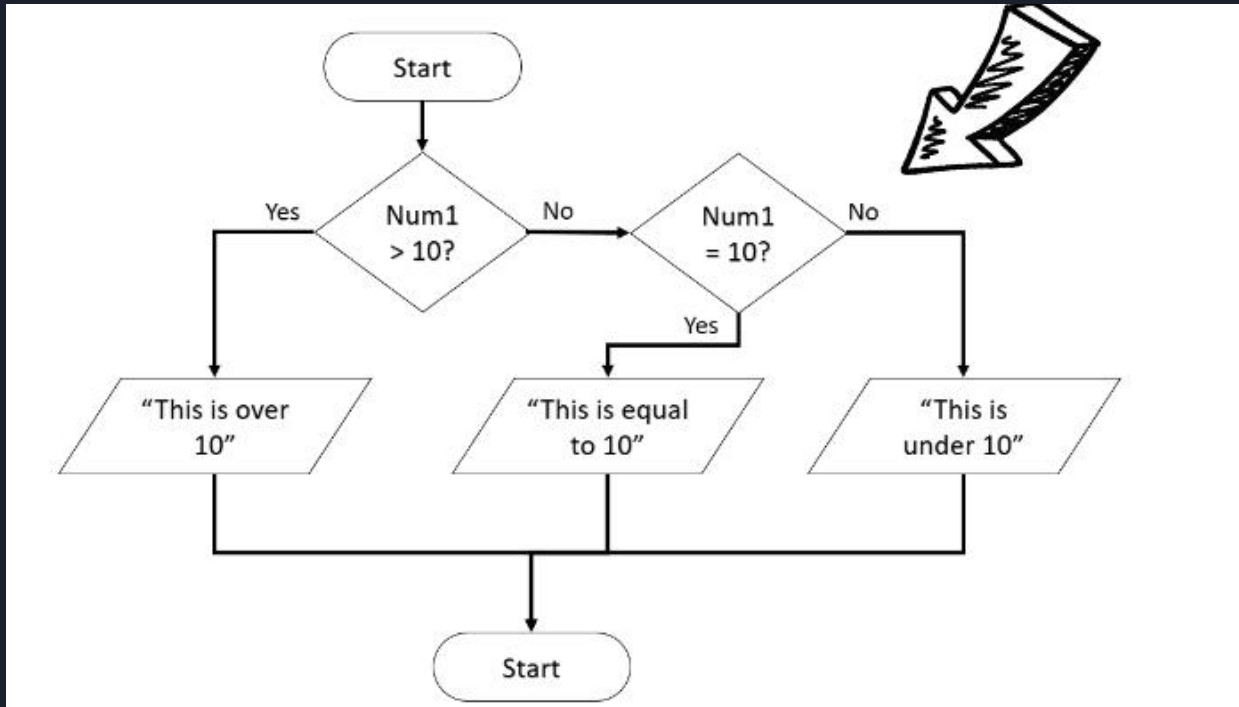
- If, if else, and if-elif -else are a family of constructs where:
  - A condition is first checked, if it is satisfied then operations are performed
  - If condition is not satisfied, code exits construct or moves on to other options



# If else family of constructs

Task	Command
If construct	If expression: statements
If - else construct:	If expression: statements else: statements
If - elif - else construct	If expression1: statements elif expression2: statements else: statements

# Example





# Example 1

```
if num > 10:
```

```
    print("This is over 10")
```

```
else:
```

```
    print("This is not over 10")
```

```
if num > 10:
```


```
    print("This is over 10")
```

```
elif num1 == 10:
```

```
    print("This is equal to 10")
```

```
else:
```

```
    print("This is under 10")
```



```
num = int(input("Enter an EVEN number  
between 1 and 5: "))
```

```
if num == 2 or num == 4:
```

```
    print("Thank you")
```

```
else:
```

```
    print("Incorrect")
```

```
num = int(input("Enter a number  
between 10 and 20: "))
```

```
if num >= 10 and num <= 20:
```

```
    print("Thank you")
```

```
else:
```

```
    print("Out of range")
```