



Name:

Grade / Section:

Date:

1st Semester 2022/ 2023

Syntax of if ... else

if test expression:

Code to run when test expression is TRUE

else:

Code to run when test expression is FALSE

The if...else statement evaluates test expression and will execute the body of if only when the test conditions is **True**.

If the condition is **False**, the body of else is executed.

Examples:

1- Write a program that:

- Input and print your name.
- Input the 1st and the 2nd Mark then calculate and print the average.

$$\text{Average} = (\text{first} + \text{second}) / 2$$

Then

- If the Average is greater than or equal to 50 print (“Pass”) else print (“Fail”)

```

1 Name =input("My name is : ")
2 print("My name is",Name )
3 first=float(input("Enter your First semester mark"))
4 second=float(input("Enter your Second semester mark"))
5 Average= (first + second) / 2
6 print("My Average is ",Average)
7 if Average>=50 :
8     print("Pass")
9 else:
10    print("Fail")

```

2- Write a program to check if a number is positive or negative.

(If a number is greater than zero, it is a positive number. If a number is less than zero, it is a negative number.)

```

main.py
1 Number=int(input("Enter a number : "))
2 if Number>0 :
3     print (Number,"Positive")
4 else:
5     print (Number,"Negative")

```

3- Write a program that compare two numbers and print the largest

```

main.py
1 a = input("enter a number: ")
2 b = input("enter another number: ")
3
4 if a>b:
5     print("First number is the largest")
6 else:
7     print("Second number is the largest")
8

```

- 4- Write a program that print whether a number is odd or even
You will need to find the remainder (Mod → % in python)
Mod finds the remainder of the division

```
1 num=int(input("enter first number "))
2 |
3 if num % 2==0 :
4     print("even")
5 else :
6     print("odd")
7
```

- 5- Write a program that:
- Input your name.
 - Print your name.
 - Input your birthyear
 - Calculate your age.
 - If your age is greater than 18 print ("I'm Adult)
else print (I'm child)

```
1 name=input("Enter your name : ")
2 print(name)
3 birthday=int(input("Enter your birthday:"))
4 age=2022-birthday
5 if age>18:
6     print(age,"Im adult")
7 else:
8     print(age,"Im a child")
```