

```
In [1]: #IF-ELSE STATEMENT
a=int(input("Enter a number:"))
b=int(input("Enter another number:"))
if a>b:
    print(a,"is a greater number")
else:
    print(b,"is a greater number")
```

Enter a number:5  
Enter another number:4  
5 is a greater number

```
In [2]: #CHECK ELIGIBILITY
a=int(input("Enter your age:"))
if a>18:
    print("You are eligible to Vote")
else:
    print("You are not eligible to Vote")
left=18-a
print(f"There are {left} years left to be eligible to vote")
```

Enter your age:14  
You are not eligible to Vote  
There are 4 years left to be eligible to vote

```
In [3]: #IF-ELIF-ELSE STATEMENT
a=int(input("Enter 1st number"))
b=int(input("Enter 2nd number"))
c=int(input("Enter 3rd number"))
if a>b and a>c:
    print(a,"is the greatest number")
elif b>a and b>c:
    print(b,"is the greatest number")
else:
    print(c,"is the greatest number")
```

Enter 1st number45  
Enter 2nd number87  
Enter 3rd number13  
87 is the greatest number

```
In [4]: #COMPOUND STATEMENT
a=int(input("Enter a number:"))
if a<=10:
    print(a,"ranges between 0 to 10")
if a>0 and a<=20:
    print(a,"ranges between 10 to 20")
if a>20 and a<=30:
    print(a,"ranges between 20 to 30")
if a>30:
    print(a,"ranges above 30")
```

Enter a number:12  
12 ranges between 10 to 20

```
In [10]: #NESTED-IF
num1=int(input("Enter num1:"))
num2=int(input("Enter num2:"))
num3=int(input("Enter num3:"))
if (num1>num2):
```

```
1. \num1>num2,.  
    if (num1>num3):  
        print(num1,"is the greatest")  
    else:  
        print(num3,"is the greatest")  
  
elif (num2>num3):  
    print(num2,"is the greatest")  
  
else:  
    print("All numbers are same")
```

Enter num1:45  
Enter num2:15  
Enter num3:55  
55 is the greatest

In [2]:

```
#WHILE LOOP  
i=0  
while(i<=10):  
    print(i)  
    i+=1
```

0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10