

**# Write a program to find a person is elg to vote or not**

```
name=input("Enter Name ")
age=int(input("Enter Age "))
if age>=18:
    print(f'{name} is elg to vote')
else:
    print(f'{name} is not elg to vote')
```

### **Output**

```
Enter Name naresh
Enter Age 40
naresh is elg to vote
```

```
Enter Name suresh
Enter Age 14
suresh is not elg to vote
```

### **Example:**

**# Write a program to find input number is even or odd**

```
num=int(input("Enter any number "))
r=num%2
if r==0:
    print(f'{num} is even')
else:
    print(f'{num} is odd')
```

### **Output**

```
Enter any number 6
6 is even
```

```
Enter any number 7
7 is odd
```

**# Write a program to find a person elg to take loan**

**# input creditscore, if creditscore is greater than 750**

**# elg to take loan**

```
credit_score=int(input("Credit Score "))
```

```
if credit_score>=750:
    print("Elg to take loan")
else:
    print("Not Elg to take loan")
```

### **Output**

Credit Score 650  
Not Elg to take loan

Credit Score 900  
Elg to take loan

### **Example:**

# Write a program to display "Hello" if number entered by  
# user is multiples of 5 else display "Bye"

```
num=int(input("Enter any number "))
if num%5==0:
    print("Hello")
else:
    print("Bye")
```

### **Output**

Enter any number 25  
Hello

Enter any number 27  
Bye

### **Example:**

# Write a program to check whether the last digit  
# of a number entered by user is divisible by 3 or not

```
num=int(input("Enter any number "))
last_digit=num%10
if last_digit%3==0:
    print("Divisible")
else:
    print("Not Divisible")
```

## Output

Enter any number 129  
Divisible

Enter any number 125  
Not Divisible

## Example:

# Write a program to find minimum number of two input numbers

```
num1=int(input("Enter First Number "))
num2=int(input("Enter Second Number "))
if num1<num2:
    print(f'{num1} is minimum')
else:
    print(f'{num2} is minimum')
```

## Output

Enter First Number 10  
Enter Second Number 20  
10 is minimum

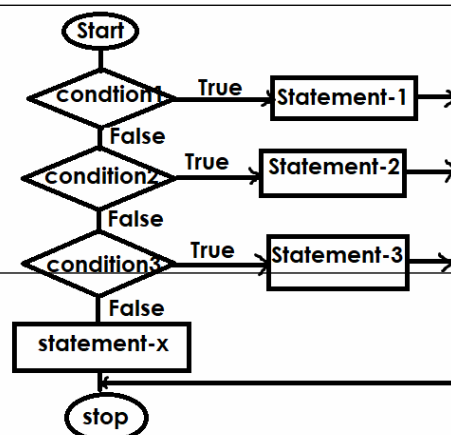
Enter First Number 5  
Enter Second Number 3  
3 is minimum

## If..elif..else (if else ladder)

Using multiple condition is called if..elif..else ladder

### Syntax:

```
If <condition1>:
    Statement-1
elif <condition2>:
    Statement-2
elif <condition3>:
```



<p>Statement-3</p> <p>....</p> <p>else:</p> <p>    statement-x</p> <p>if condition1 is True, python executes statement-1</p> <p>if condition1 is False, condition2 is True python execute statement-2</p> <p>if condition1,condition2 are False, condition3 is True, python executes Statement-3</p> <p>if condition1,condition2,condition3 are False, python execute statement-x</p>	
---	--

**Q1. Write a program to accept percentage from the user and display the grade according to the following criteria:**

Marks	Grade
> 90	A
> 80 and <= 90	B
>= 60 and <= 80	C
below 60	D

```

p=int(input("Enter Percentage "))
if p>90:
    print("A Grade")
elif p>80 and p<=90:
    print("B Grade")
elif p>=60 and p<=80:
    print("C Grade")
else:
    print("D Grade")

```

## Output

Enter Percentage 98  
A Grade

Enter Percentage 85  
B Grade

Enter Percentage 65  
C Grade

Enter Percentage 50  
D Grade

**Q8. Write a program to calculate the electricity bill (accept number of unit from user) according to the following criteria :**

Unit	Price
First 100 units	no charge
Next 100 units	Rs 5 per unit
After 200 units	Rs 10 per unit

(For example if input unit is 350 than total bill amount is Rs2000)

[Show Answer](#)

```
units=int(input("Enter Units "))
if units<=100:
    bill=0
elif units>100 and units<=200:
    bill=(units-100)*5
else:
    bill=(100*5)+(units-200)*10

print(f'Total Bill {bill}')
```

### Output

Enter Units 50  
Total Bill 0

Enter Units 150  
Total Bill 250

Enter Units 250  
Total Bill 1000