2.1 - WAP to weather the given number is positive or negative.

In [3]:
```python
a = int(input("Enter  value of A : "))
if (a>0):
    print (a,"<--is Positive")
else:
     print (a,"<--is Nagative")
```

```
Enter  value of A : 10
10 <--is Positive
```

2.2 - WAP to weather the given number is odd or even.

In [6]:
```python
a = int(input("Enter  value of A : "))
if (a%2==0):
    print (a,"<--is Even Number")
else:
     print (a,"<--is Odd Number")
```

```
Enter  value of A : 11
11 <--is Odd Number
```

2.3 - WAP to find largest number from given 3 numbers.

In [10]:
```python
a = int(input("Enter  value of A : "))
b = int(input("Enter  value of B : "))
c = int(input("Enter  value of C : "))
if a>b:
    if a>c:
        print(a,"is Maximum")
    else:
        print(c,"is Maximum")
else:
    if b>c:
        print(b,"is Maximum")
    else:
        print(c,"is Maximum")
```

```
Enter  value of A : 10
Enter  value of B : 20
Enter  value of C : 30
30 is Maximum
```

2.4 - WAP to display the day name according to number given by user. (Using nested if

In [13]:
```python
a=int(input("enter number :"))
if a==1:
    print("Monday")
elif a==2:
    print("Tuesday")
elif a==3:
    print("Wednesday")
elif a==4:
    print("Thusday")
elif a==5:
    print("Friday")
elif a==6:
    print("Saturday")
elif a==7:
    print("Sunday")
```

```
enter number :5
Friday
```

Type *Markdown* and LaTeX: α^2

2.5 - WAP to print addition, subtraction, division, multiplication on two numbers based on user input.(Using elif)

In [23]:
```python
a=int(input("enter 1st value:-"))
b=int(input("enter 2nd value:-"))
c=int(input("Enter \n 1: Addition \n 2: Subtraction \n 3: Divis
if c==1:
    print("a+b:",a+b)
elif c==2:
    print("a-b:",a-b)
elif c==3:
    print ("a/b:",a/b)
else:
    print ("a*b:",a*b)
```

```
enter 1st value:-10
enter 2nd value:-20
Enter
 1: Addition
 2: Subtraction
 3: Division
 4: multiplication1
a+b: 30
```

2.6 - WAP to print Largest of two numbers using ternary operator.

In [37]:
```python
a=int(input("Enter value of a:-"))
b=int(input("Enter value of b:-"))
max=a if a>b else b
print ("Maximum Number is:-",max)
```

```
Enter value of a:-10
Enter value of b:-20
Maximum Number is:- 20
```

2.7 - WAP to print Largest of Three numbers using ternary operator.

In [36]:
```python
a=int(input("Enter value of a:-"))
b=int(input("Enter value of b:-"))
c=int(input("Enter value of c:-"))
max=(a if a>c else c) if a>b else (b if b>c else c)
print ("Maximum Number is:-",max)
```

```
Enter value of a:-10
Enter value of b:-20
Enter value of c:-30
Maximum Number is:- 30
```

2.8 - WAP to print the given year is leap or not.

[if year%400==0 or (year%400==0 and year%100!=0)]

In [53]:
```python
a=int(input("Enter value of a:-"))
if a%400==0 or (a%4==0 and a%100!=0):
    print(a,"is a Leap Year")
else:
    print(a,"is not a Leap Year")
```

```
Enter value of a:-2024
2024 is a Leap Year
```

2.9 - WAP to calculate electricity bill based on following criteria:--

(1)take the units from user.

(2)first 1 to 50 units - 2Rs/unit .

(3)next 50 to 100 units - 3.5Rs/unit.

(4)next 100 to 200 units - 5.5Rs/unit .

(5)above 100 units - 8Rs/unit.

In [ ]:
```python
unit = float(input("Enter Units"))
if unit<=50:
    print

```