**PROGRAM;**

num=int(input("enter a no="))

if(num % 2)==0:

print("This is even number")

else:

print("This is odd number")

**OUTPUT**;

enter a no=6

This is even number

enter a no=9

This is odd number

**PROGRAM;**

subject=(input('enter a sub='))

mark=int(input('enter a mark='))

if(mark>=90):

print("your grade is=\'O'")

elif(mark>=80):

print("your grade is=\'A+'")

elif(mark>=70):

print("your grade is=\'A'")

elif(mark>=60):

print("your grade is=\'B+'")

elif(mark>=50):

print("your grade is=\'B'")

else:

print("your grade is=\'U'")

**OUTPUT;**

enter a sub=PYTHON

enter a mark=91

your grade is='O'

**PROGRAM;**

a=input("enter a value=")

if(a.isalpha()):

print('you enter a alphabets')

elif(a.isdigit()):

print('you enter a number')

elif(a.isspace()):

print('you enter a space')

else:

print('you enter a sepcial char'**)**

**OUTPUT;**

enter a value=TRHWT

you enter a alphabets

enter a value=%^%\*$

you enter a sepcial char

**PROGRAM;**

num=int(input("enter a number="))

if(num>0):

print("positive")

elif(num<0):

print("negative")

else:

print('zero')

**OUTPUT;**

enter a number=6

positive

**PROGRAM;**

salary=int(input('enter a number='))

if(salary<10000):

bouns=10/100\*salary

print('bouns amount is',bouns)

else:

bouns=12/100\*salary

print('bouns amount is',bouns)

total\_salary=bouns+salary

print('total salary',total\_salary)

**OUTPUT;**

enter a number=89039

bouns amount is 10684.68

total salary 99723.68

**PROGRAM;**

a=(input('enter a value='))

if(a>='A'and a<='Z'):

print("you entered uppercase alphabet")

elif(a>='a' and a<='z'):

print("you entered lowercase alphabet")

**OUTPUT;**

enter a value=HFUIGHFUHG

you entered uppercase alphabet