PYTHON

EXPERIMENT NO: 3

1.PROGRAM FOR ODD OR EVEN

num=int(input("Enter a number:"))

if (num%2)==0:

print("The number is even")

else:

print("The number is odd")

OUTPUT:

Enter a number:2

The number is even

2.STUDENT GRADE ANALYSIS:

PROGRAM:

m1=int(input("Enter m1:"))

m2=int(input("Enter m2:"))

avg=(m1+m2)/2

if (avg>=90):

print("o")

elif (avg>=80 and avg<90):

print("A+")

elif (avg>=70 and avg<80):

print("A")

elif (avg>=60 and avg<70):

print("B+")

elif (avg>=50 and avg<60):

print("B")

else:

print("U")

OUTPUT:

Enter m1:56

Enter m2:67

B+

3.CHARACTER OR DIGIT OR SPACE

ch=input("Enter a char:")

if (ch.isalpha()):

print("you entered a alphabet")

elif(ch.isdigit()):

print("you entered a digit")

elif (ch.isspace()):

print("you entered a Space")

else:

print("enter valid input")

OUTPUT:

Enter a char:5

you entered a digit

4.POSITIVE OR NEGATIVE:

num=int(input("Enter a number:"))

if (num%2)==0:

print("The number is even")

else:

print("The number is odd")

OUTPUT:

Enter a number6

you entered a positive number

5.UPPERCASE AS U

ch=input("Enter a character;")

if (ch>="A" and ch<="Z"):

ch="U"

print(ch)

else:

print("Enter a valid input")

OUTPUT;

Enter a character;D

U

Enter a character;d

Enter a valid input

6.BONUS CALCULATOR;

G=input("enter the gender:")

sal=int(input("Enter the salary"))

if(G=="male"):

bonus=0.10\*sal

print("bonus is :", bonus,"\n","total salary is :",sal+bonus)

else:

bonus=0.12\*sal

print("bonus is:",bonus,"\n","total salary:",sal+bonus)

OUTPUT:

enter the gender:male

Enter the salary45000

bonus is : 4500.0

total salary is : 49500.0