**EXPERIMENT 3**

**1)To find the given year is leap year or not**

PROGRAM:

year=int(input("enter the year ="))

if(year%4==0):

if(year%100==0):

if(year%400==0):

print("the given year is leap year")

else:

print("the given year is not a leap year")

OUTPUT:

enter the year =20000

the given year is leap year

>>>

2.READ THE CHARACTER .IF ITS UPPER CASE PRINT U

PROGRAM:

ch=input("enter a character ")

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

ch='U'

print(ch)

OUTPUT:

enter a character A

U

3)SALARY BONUS FOR MALE AND FEMALE

PROGRAM:

sal=int(input("enter salary:"))

gender=(input("enter gender:"))

if(gender=='m'):

bonus=sal\*0.1

elif(gender=='f'):

bonus=sal\*0.12

print("total salary is ",sal+bonus)

OUTPUT:

enter salary:2000

enter gender:m

total salary is 2200.0

>>>

4)BIGGEST OF 3 NUMBERS

PROGRAM:

num1=int(input("enter first number:"))

num2=int(input("enter second number:"))

num3=int(input("enter third number:"))

if(num1>num2)and(num1>num3):

print("num1 is biggest")

elif(num2>num1)and (num2>num3):

print("num2 is biggest")

else:

print("num3 is biggest")

OUTPUT:

enter first number:6

enter second number:5

enter third number:4

num1 is biggest

>>>

5)ODD OR EVEN

PROGRAM:

e=int(input("enter the number to be checked:"))

if(e%2==0):

print("the given number is even")

else:

print("the givrn number is odd")

OUTPUT:

enter the number to be checked:18

the given number is even

>>>

6) STUDENT GRADE ANALYSIS

PROGRAM:

mark=int(input("enter mark:"))

print(mark)

if(mark>90):

print("grade= O")

elif(mark>80) and (mark<90):

print("grade= A+")

elif(mark>70) and (mark<80):

print("grade= A")

elif(mark>60) and (mark<70):

print("grade= B+")

elif(mark>50) and (mark<60):

print("grade= B")

else:

print("grade= U")

OUTPUT:

enter mark:92

92

grade= O

>>>