**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 NUMBER

PROGRAM:

num1=int(input("enter 1st number:")

num2=int(input("enter 2nd number:")

num3=int(input("enter 3rd number:")

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

print('num3 is biggest')

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

print('num2 is greatest')

else

print('num3 is greatest')

OUTPUT:

Enter 1st number : 4

Enter 2nd number :6

Enter 3rd number: 5

Num2 is greatest

5.ODD/EVEN

PROGRAM:

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

if (num % 2) == 0:

print("{0} is Even number".format(num))

else:

print("{0} is Odd number".format(num))

OUTPUT:

Enter a number: 6

6 is Even number

6.STUDENT GRADE ANALYSIS

PROGRAM:

mark = int(input(("Enter the marks: ")))

if mark >= 90:

print("O Grade")

elif mark >= 80 and mark < 90:

print("A+ Grade")

elif mark >= 70 and mark < 80:

print("A Grade")

elif mark >= 60 and mark < 70:

print("B+ Grade")

elif mark >= 50 and mark < 60:

print("B Grade")

elif mark < 50:

print("U Grade")

OUTPUT 1:

Enter the marks: 45

U Grade

OUTPUT 2:

Enter the marks: 92

O Grade