PYTHON EX3

1.LEAPYEAR OR NOT

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

if((y%400==0)or(y%100!=0)and(y%4==0)):

print(y,"is a leap year")

else:

print(y,"is not a leap year")

OUTPUT:

enter the year:2004

2004 is a leap year

2.UPPER CASE OR LOWER CASE

ch=input("enter a character:")

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

ch="U"

print(ch)

else:

print("not a uppercase or enter valid input)")

OUTPUT:

enter a character:A

U

3.SALARY AND BONUS

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 salary:20000

bonus is: 2400.0

total salary: 22400.0

4.BIGGEST OF 3 NO’S

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

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

c=int(input("enter third number"))

if (a>b and a>c):

print(a, " is the greatest number")

elif(b>a and b>c):

print(b,"is the greatest number")

else:

print(c,"is the greatest number")

OUTPUT:

enter first number:5

enter second number:8

enter third number6

8 is the greatest number

5.ODD OR EVEN

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

if(num%2==0):

print("the given number is even")

else:

print("the given number is odd:")

OUTPUT:

enter a number:7

the given number is odd:

6.STUDENT GRADE ANALYSIS

m1=int(input("enter eng mark:"))

m2=int(input("enter maths mark:"))

m3=int(input("enter physics mark:"))

m4=int(input("enter python mark:"))

m5=int(input("enter chemistry mark:"))

avg=m1+m2+m3+m4+m5/5

if(avg>=90 ):

print(" O grade")

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

print("A+ grade")

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

print("A grade")

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

print("B +grade")

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

print("B grade")

else:

print("U grade")

OUTPUT:

enter eng mark:78

enter maths mark:90

enter physics mark:96

enter python mark:89

enter chemistry mark:97

O grade