EXPERIMRNT 3

3(A) TO READ THE CHARACTER WHETHER IT IS UPPER OR LOWER CASE

PROGRAM:

ch=input("please enter your own character:")

if(ch.isupper()):

print("the given character",ch,"is an uppercase alphabet")

elif(ch.islower()):

print("the given character",ch,"is an lowercase alphabet")

else:

print("the given character",ch,"is not a upper or lowercase alphabet")

OUTPUT:

Python 3.5.3 (v3.5.3:1880cb95a742, Jan 16 2017, 15:51:26) [MSC v.1900 32 bit (Intel)] on win32

Type "copyright", "credits" or "license()" for more information.

>>>

============== RESTART: C:\Users\test02\Downloads\lohitha 1.py ==============

please enter your own character:l

the given character l is an lowercase alphabet

>>>

3(B) ELIGIBLE FOR VOTING OR NOT

PROGRAM:

age=int(input("enter the age:"))

if age>18:

print("eligible for voting")

else:

print("not eligible for voting")

OUTPUT:

Python 3.5.3 (v3.5.3:1880cb95a742, Jan 16 2017, 15:51:26) [MSC v.1900 32 bit (Intel)] on win32

Type "copyright", "credits" or "license()" for more information.

>>>

=============== RESTART: C:\Users\test02\Downloads\lohitha2.py ===============

enter the age:56

eligible for voting

>>>

3(C) SOLVE THE ROOTS OF QUADRATIC EQUATION

PROGRAM:

a=int(input("enter the coefficient of a:"))

b=int(input("enter the coefficient of b:"))

c=int(input("enter the coefficient of c:"))

d=(b\*\*2)-(4\*a\*c)

d1=d\*\*0.5

d2=-d\*\*0.5

if(d>0):

print(str1)

sol1=(-b+d1)/2\*a

sol2=(-b-d1)/2\*a

print("the solution are=",sol1,sol2)

elif(d<0):

print("it is imaginary")

else:

print("it is complex")

output:

Python 3.5.3 (v3.5.3:1880cb95a742, Jan 16 2017, 15:51:26) [MSC v.1900 32 bit (Intel)] on win32

Type "copyright", "credits" or "license()" for more information.

>>>

============== RESTART: C:\Users\test02\Downloads\lohitha 3.py ==============

enter the coefficient of a:5

enter the coefficient of b:8

enter the coefficient of c:7

it is imaginary

>>>

3(D) TO FIND NUMBER IS POSITIVE OR NEGATIVE

PROGRAM:

n=int(input("enter any number:"))

if n>0:

print("the number is positive")

elif n<0:

print("the number is negative")

else:

print("the number is zero")

OUTPUT:

Python 3.5.3 (v3.5.3:1880cb95a742, Jan 16 2017, 15:51:26) [MSC v.1900 32 bit (Intel)] on win32

Type "copyright", "credits" or "license()" for more information.

>>>

================== RESTART: C:/Users/test02/Downloads/a.py ==================

enter any number:8

the number is positive

>>>

3(E) upper and lower

PROGRAM:

c=input("enter any character=")

ans=c.lower()

print(ans)

ans=c.upper()

print(ans)

OUTPUT:

Python 3.5.3 (v3.5.3:1880cb95a742, Jan 16 2017, 15:51:26) [MSC v.1900 32 bit (Intel)] on win32

Type "copyright", "credits" or "license()" for more information.

>>>

================== RESTART: C:/Users/test02/Downloads/a.py ==================

enter any character=t

t

T

>>>

3(F) SALARY WITH BONOUS

PROGRAM:

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

if salary>1000:

salary=salary+(salary\*(10/100))

print("the salary with bonus is:",salary)

elif salary<1000:

salary=salary+(salary\*(12/100))

print("the salary with bonus is:",salary)

OUTPUT:

Python 3.5.3 (v3.5.3:1880cb95a742, Jan 16 2017, 15:51:26) [MSC v.1900 32 bit (Intel)] on win32

Type "copyright", "credits" or "license()" for more information.

>>>

============== RESTART: C:\Users\test02\Downloads\lohitha 1.py ==============

enter the salary70000

the salary with bonus is: 77000.0

>>>