QUIZ - 01

Abdul Moiz Chishti

BSE-2020F-022

Question 1   **[2 points]**

Q: Write a program to calculate the quadratic equation.

Let; a=2 , b=6 c=3

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

CODE:

```
#Abdul Moiz Chishti
#BSE-2020F-022
a=2
b=6
c=3
d=((b**2)-(4*a*c))
```

```
e=(d**0.5)

#for positive

sol1=(-b+e)/(2*a)


#for negative

sol2=(-b-e)/(2*a)

print("the positve root is=",sol1)

print("the negative root is=",sol2)
```

OUTPUT:

```
>>> %Run 'quadretic eq.py'

  the positve root is= -0.6339745962155614
  the negative root is= -2.3660254037844384
```

Question 2   **[3 points]**

Write a program to count and display your name in capital as well small letter using the concept of looping and input function .

CODE:

```
# Abdul Moiz Chishti
# BSE-2020F-022
name=input("Enter your Name:")
n=name.lower()
n2=name.upper()
print(n)
print(n2)
c=0

for i in name:
    c=c+1

print("total number of alphabets=",c)
```

OUTPUT:

```
>>> %Run 'counting name.py'

  Enter your Name:Abdul Moiz Chishti
  abdul moiz chishti
  ABDUL MOIZ CHISHTI
  total number of alphabets= 18

>>>
```