1. **Question4**

**def quadratic(a,b,c):**

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

**if a==0:**

**print('Not quadratic')**

**elif d>0:**

**print('Real roots')**

**sol1 = (-b - (b)\*\*(1/2)) / (2 \* a)**

**sol2 = (-b + (b)\*\*(1/2)) / (2 \* a)**

**print(f'The solution are {sol1} and {sol2}')**

**elif d==0:**

**print('Equal roots')**

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

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

**print(f'The solution are {sol1} and {sol2}')**

**else:**

**print('Imaginary root')**

**a= int(input("Enter coefficient of x^2 : "))**

**b= int(input("Enter coefficient of x: "))**

**c= int(input("Enter constant: "))**

**quadratic(a,b,c)**