

Output:

```
C:\csit\third sem Jonash\NM\  X + ▾  
*****Bisection method*****  
Compiled by -> Jonash  
Enter coefficients a3, a2, a1, and a0:  
a3 = 0  
a2 = 3  
a1 = -6  
a0 = 2  
Enter initial guesses x0, x1 and Error precision:  
x0 = 0  
x1 = 1  
Error(E) = 0.05  
Root = 0.421875  
  
-----  
Process exited after 25.18 seconds with return value 0  
Press any key to continue . . . |
```

Output:

```
C:\csit\third sem Jonash\NM\  X  +  ▾  
*****Newton Raphson Method for multiple roots*****  
Compiled by -> Jonash  
Enter the coefficient a for x^3: 1  
Enter the coefficient b for x^2: -4  
Enter the coefficient c for x: -7  
Enter the constant d: 10  
Enter the number of initial guesses for multiple roots: 3  
Enter initial guess 1: 1  
Enter initial guess 2: 4  
Enter initial guess 3: 6  
  
Finding root starting with initial guess: 1.000000  
Root found at x = 1.000000 after 0 iterations  
  
Finding root starting with initial guess: 4.000000  
Root found at x = 5.000000 after 5 iterations  
  
Finding root starting with initial guess: 6.000000  
Root found at x = 5.000000 after 4 iterations  
  
-----  
Process exited after 30.52 seconds with return value 0  
Press any key to continue . . . |
```

Output:

```
C:\csit\third sem Jonash\NM\  X + ▾
*****Newton Rapson method*****
Compiled by -> Jonash
Enter coefficients a3, a2, a1, and a0:
a3 = 0
a2 = 1
a1 = 4
a0 = -7
Enter initial guesses and Error precision:
x0 = 0
Error(E) = 0.01
Root= 1.316625

-----
Process exited after 37 seconds with return value 0
Press any key to continue . . . |
```

Output:

```
C:\csit\third sem Jonash\NM\  X + ▾
*****Secant method*****
Compiled by -> Jonash
Enter coefficients a3, a2, a1, and a0:
a3 = 0
a2 = 2
a1 = 4
a0 = -10
Enter initial guesses x0, x1 and Error precision:
x0 = 2
x1 = 6
Error(E) = 0.01
The root is: 1.449620
-----
Process exited after 17.77 seconds with return value 0
Press any key to continue . . . |
```

Output:

```
C:\csit\third sem Jonash\NM\ + ▾
*****Fixed Point Method*****
Compiled by -> Jonash
Enter coefficients a3, a2, a1, and a0:
a3 = 0
a2 = 1
a1 = -6
a0 = 8
Enter initial guesses and Error precision:
x0 = 1
Error(E) = 0.01
Root found: 1.967980

-----
Process exited after 29.17 seconds with return value 0
Press any key to continue . . . |
```