

Output:

```
C:\csit\third sem Jonash\NM\  X  +  v

*****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 + v
*****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

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Process exited after 30.52 seconds with return value 0
Press any key to continue . . . |
```

Output:

```
C:\csit\third sem Jonash\NM\ × + v
*****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 + v
*****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\ × + v
*****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

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