26 root = bisection method(quadratic function, 0, 3)

27 print("Bisection Method Root:", root)

```
1 def newton_raphson_method(func, func_derivative, initial_guess, tol=1e-6, max_iter=100):
      x = initial guess
       iteration = 0
      while abs(func(x)) > tol and iteration < max iter:
          x = x - func(x) / func_derivative(x)
           iteration += 1
      return x
12 # Example usage:
13 def cubic_function(x):
       return x**3 - 6 * x**2 + 11 * x - 6
17 def cubic_derivative(x):
      return 3 * x**2 - 12 * x + 11
21 initial guess = 1.5
22 root_newton = newton_raphson_method(cubic_function, cubic_derivative, initial_guess)
23 print("Newton-Raphson Method Root:", root_newton)
```

PS D:\lifesucks\Python> & C:/Python312/python.exe d:/lifesucks/Python/python 1.3.py 

Newton-Raphson Method Root: 3.0

○ PS D:\lifesucks\Python> |