This is a title

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```
1
    % Plot function f(x) = 2*x^3 - x - 2
    ezplot('2*x^3-x-2', [0, 2])
2
    hold on
3
    plot([0, 2], [0, 0], 'r')
4
    def __self__(self):
1
    for i in range(10):
2
3
       print(f"This number is {i}.")
    public static void main(String[] args) {
1
       System.out.println("Hello World!"); // comment
2
3
    }
```

Algorithm 1: Bisection Algorithm

```
Input: a, b, M, \delta, \varepsilon
   u \leftarrow f(a)
   b \leftarrow f(b)
   e \leftarrow b - a
   Output: output
 1 begin
        if sign(u) = sign(v) then
 2
         stop
 3
        for k=1 to M do
 4
             e \leftarrow e/2
 5
             c \leftarrow a + e
 6
             w \leftarrow f(c)
 7
             return k, c, w, e
 8
             if |e| < \deltaor |w| < \varepsilon then
 9
              stop
10
             if sign(u) \neq = sign(v) then
11
                  b \leftarrow c
12
                  v \leftarrow w
13
             else
14
                  a \leftarrow c
15
                  u \leftarrow w
```