

```
def f(x):  
    return x**2 - x - 2  
  
# Get user input for the intervals  
a = float(input("Enter the value of interval a: "))  
b = float(input("Enter the value of interval b: "))  
  
# Check if the root lies between a and b  
if f(a) * f(b) < 0:  
    print("Root lies between a and b")  
else:  
    print("Root does not lie between a and b")
```