Output

Calculate the height of a right triangle

Enter the value of base:

2.5

Enter angle(theta in degree):

45

The ultimate height is: 2.4999999999999996

=== Code Execution Successful ===

Equation 2: Compound Interest Calculation.
Enter Principal P:
500
Enter Annual Interest Rate (r as a decimal):
2.5
Enter Number of Compounds per Year (n):
5
Enter Time in Years (t):
10
Total Amount: 3.188107501070248E11

=== Code Execution Successful ===

```
Output

Enter the value of x: 2.5
Enter the value of y: 4.56
r is: 5.200346142325528
theta is: 61.26643725256161 6
=== Code Execution Successful ===
```

Output

```
Enter the value of x1: 2.4
Enter the value of y1: -4.5
Enter the value of x2: -4.2
Enter the value of y2: 6.5
Distance : 12.82809416865966
=== Code Execution Successful ===
```

Output

```
Enter coefficient a: 1
Enter coefficient b: -5
Enter coefficient c: 6
Roots: 3.0, 2.0
Smallest positive root: 2.0

=== Code Execution Successful ===
```