

Exercise 1: Compute Formula Using cmath

In this exercise you need to compute the $\sqrt{a^2+b^2}$ formula

We'll cover the following ^

- Problem Statement

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Write a code in which you:

- First, compute **Squares** of *two Floating point* variables `a` and `b`.
- Then **Add** them after taking **squares**.
- Now take **Square Root** of the answer.
- Use `cmath` library to compute the solution.

Below is an *illustration* showing the **formula** you need to compute:

$$\sqrt{a^2 + b^2}$$

Write your code below. It is recommended that you try solving the exercise yourself before viewing the solution.

Good Luck!

```
#include <iostream>
#include <cmath>
using namespace std;

float test(float a, float b) {

    float computeSqrt;
    // write your code here
    cout << "Answer is: " << computeSqrt<<endl;
    return computeSqrt;
}
```



