





Challenge 1: Calculate the Area of a Rectangle Using Pointers

Test your knowledge by solving a challenge in this lesson.

We'll cover the following ^

- Problem statement
 - Sample input
 - Sample output
- Coding exercise

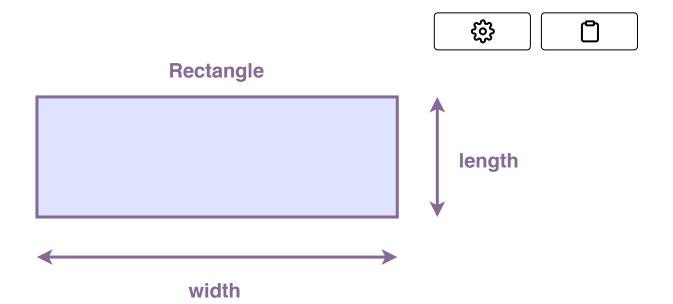
Problem statement#

Your task is to write a function area. In the function parameter, you will pass the three pointers of type int in its input parameters.

```
void area (double *length, double *width, double *result);
```

Your function should calculate the area of the rectangle and store the output in the result . The formula for calculating the area of the rectangle is given below:

 $Area\ of\ rectangle\ =\ length\ *\ width$



Sample input#

```
double length = 4.5, width = 6.7, result = 0;
area (&length, &width, &result);
```

Sample output#

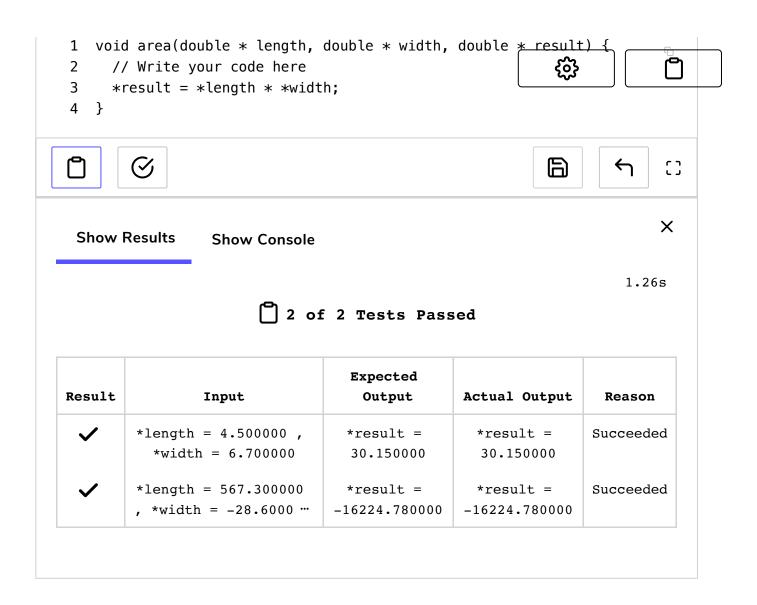
```
result = 30.15
```

Coding exercise#

Before diving directly into the solution, try to solve it yourself. Then check if your code passes all the test cases.

Your function name should be the area. Otherwise, your code will not compile.

Good luck! 👍



If you have solved the problem, congratulations!

In case you are stuck, go over the solution review in the next lesson.

