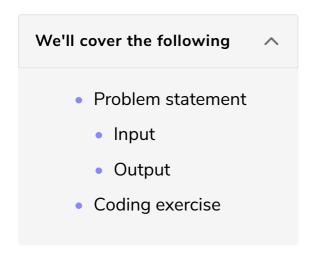
Challenge 3: Calculate the Area of the Sphere

In this challenge, you need to implement a given formula to calculate the area of a sphere.

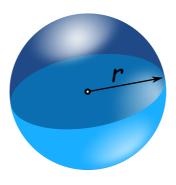


Problem statement

In this challenge, you are given a radius r of the sphere. Your task is to find the area of the sphere using the following formula:

$$Area = 4 * pi * r^2$$

Here, pi is constant. Its value is 3.14.



Input

We have already initialized the variable \mathbf{r} at the backend.

double r = 10.1;

Output

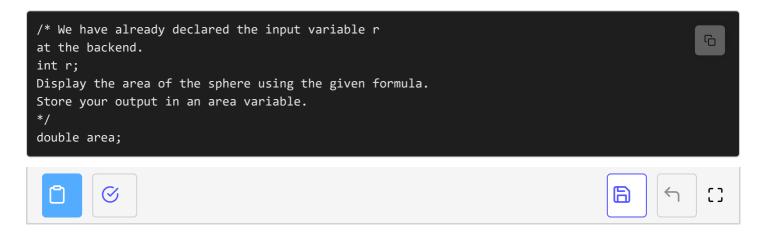
Your code should have the following output.

Please use the variables r for the input and area for the output; otherwise, your code will not execute.

Coding exercise

Before diving directly into the solution, first, try to solve it yourself, and then check if your code passes all the test cases. If you get stuck, you can always see the given solution.

Good Luck! 👍



> Well done! If you have solved the problem, give yourself a round of applause.

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