Homework Assignment 5

Write a program to compute the volume of a sphere.

The output of your program should be like this:

Please input the radius of the sphere:

1.5

The volume of the sphere is 14.137155.

Requirement:

1. Your program should allow the user to input the radius of the sphere.
2. Your program should use pow() function.
3. Your program should calculate the volume in double precision and display the result on the screen. (Use 3.14159 for π)
4. Your program should provide a simple user interface to tell the user when to input the radius.
5. You should use constants reasonably.
6. Your coding style should comply with our department standard.

Hint: The volume of a sphere is calculated by