

```
1  #include <iostream>
2  #include <stdio.h>
3  #include <stdlib.h>
4  #include <cmath>
5
6  using namespace std;
7
8  int main()
9  {
10     cout << "Hello, please enter the radius of a sphere(in meter): ";
11     float radius, surface_area, volume;
12     const float PI = 3.14;
13     cin >> radius;
14     surface_area = 4 * PI * pow(radius, 2),
15     volume = 4 * PI * pow(radius, 3) / 3;
16     cout << "The surface area of the sphere is: " << surface_area << "square meter." << endl;
17     cout << "The volume of the sphere is: " << volume << "cubic meter." << endl;
18     //cin >> radius; #we need to pause the system
19     system("pause"); //must include the <stdlib.h> header file #note: only available in win
20     return 0;
21 }
```