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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » **Programming in Modern C++ (course)**

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Course
outline

W5_Programming_Qs-1

Due on 2023-03-02, 23:59 IST

Complete the program with the following instructions.
 • Fill in the blank at LINE-1 with appropriate initializer list,
 • Fill in the blanks at LINE-2 and LINE-3 to complete the `return` statements.
The program must satisfy the given test cases.

Sample Test Cases

	Input	Output
Test Case 1	5	314, 522.025
Test Case 2	3	113.04, 112.757
Test Case 3	10	1256, 4176.2

The due date for submitting this assignment has passed.
0 out of 0 tests passed.
You scored 0.0/100.

Assignment submitted on 2023-02-25, 12:07 IST
Your last recorded submission was :

```
1  #include <iostream>
2  using namespace std;
3  class Radius{
4      public:
5          int radius;
6          Radius(int r) : radius(r) { }
7  };
8  class Volume : public Radius{
9      public:
10         Volume(int _r) : Radius(_r){}
11         double getVal(){ return 1.33 * 3.14 * radius * radius * radius; }
12 };
13 class Area : public Radius{
14     public:
15         Area(int _r) : Radius(_r){}
16         double getVal(){ return 4 * 3.14 * radius * radius; }
```

```
17  };
18  class Sphere : public Volume, public Area{
19      public:
20          Sphere(int _r) :Volume(_r),Area(_r){}    //LINE-1
21
22          double getVolume(){ return Volume::getVal(); } //LINE-2
23
24          double getArea(){ return Area::getVal(); } //LINE-3
25  };_r)
26  int main(){
27      int a;
28      cin >> a;
29      Sphere s(a);
30      cout << s.getArea() << ", " << s.getVolume();
31      return 0;
32  }
```

● W5_Programming_Qs-
2
(/noc23_cs50/progassignment?
name=183)

● W5_Programming_Qs-
3
(/noc23_cs50/progassignment?
name=184)

○ Week 5
Feedback
Form (unit?
unit=62&lesson=70)

○ Assignment 5
Solution (unit?
unit=62&lesson=71)

Week 6 ()

Week 7 ()

Week 8 ()

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