1. Write a c ++ program to find the volume and surface area of sphere.

Hint: PI=3.14

volume=4.0/3 *pi*r*r*r;

area=4*pi*r*r;

answer:

```
#include <iostream>

using namespace std;

int main()
{
float r;
float surface_area,volume;
const float PI = 3.14;
cout <<"Enter radius of the sphere : ";
cin >> r;
surface_area = 4* PI * r * r;
volume = (4.0/3) * PI * r * r * r;
cout<<"Surface area of sphere is:"<<surface_area;
cout<<"\nVolume of sphere is : "<<volume;
return 0;
}
```

2. Write a program that calculate Kelvin and Fahrenheit from a Celsius degree entered by the user. k = c + 273 f = c * 5/9 + 3

Answer

```
#include <iostream>
using namespace std;
int main()
{  int k,c;
  float f;
  cout << "Please Enter a Celsius Degree: ";
  cin >> c;
  k = c + 273;
  f = c * 5/9 + 32;
  cout << "Kelven: " << k << '\n';
  cout << "Fehrenhit: " << f << '\n';
return 0;
}
```

3. What is the output of:

a)
```
#include <iostream>
using namespace std;
int main()
```

```
{
cout << 6 % 8 << endl
<< 7 % 8 << endl
<< 8 % 8 << endl
<< 9 % 8 << endl
<< 10 % 8 << endl;
return 0;
}
```

Answer:

```
6
7
0
1
2
```

//

b) cout << 3 / 2 + 5.5;

Answer:

```
6.5
```