

# Experiment No. 1

Aim: Write a CH program to calculate the area

Objective:
To learn the basic structure of C++

software used - linux Operating System, gcc

Concept: Basic function available in C++ language

Theory: This is the simplest program to display the area of the square.

i) cout: It is used to display the content on the screen.

ii) Cin; To take input from the user.

iii) variables; variable are used to store the value

Algorithm:

ii) Declare two variable one for side of another for

ii) Take input from the user.
iv) Display the asea

y End.

Input: Senter the radius;

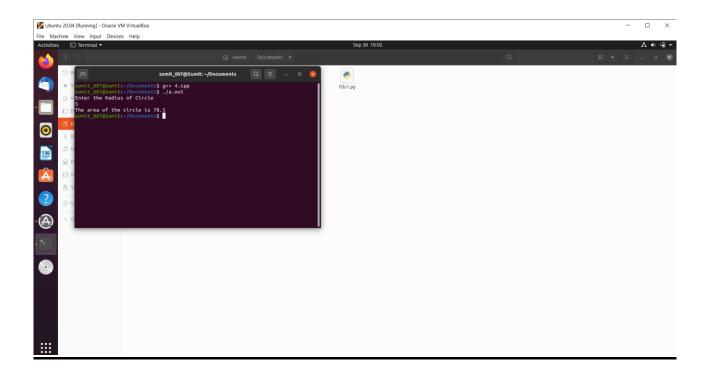
Output: Area of circle is 78.5

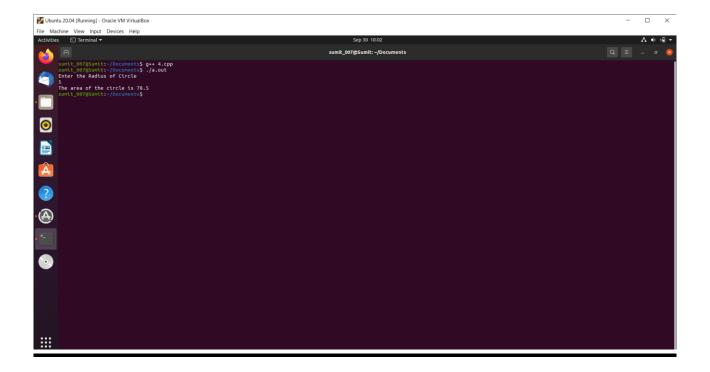
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	Conclusion:  Now, we are familiar with the basic syntax.  of C++ language.
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#### Write a program to calculate the area of circle:

```
#include<iostream>
using namespace std;
int main()
 //declare vairable type float
 float a, area;
 // Input the radius and save it in 'a'
 cout<<"Enter the Radius of Circle"<<endl;</pre>
 cin>>a;
 if (a >= 0)
 //calculate the area of the circle
 area=3.14*a*a;
 // Display the area of the Circle
 cout<<"The area of the circle is "<<area<<endl;</pre>
 else
    cout<<"Radius Cannot Be negative"<<endl;</pre>
 return 0;
```

### **OUTPUT:**





#### Write a program to calculate the area of square:

```
#include<iostream>
using namespace std;
int main()
  //declear vairable type float
  float a, area;
  //Input the side and store it in 'a'
  cout<<"Enter the side of square"<<endl;</pre>
  cin>>a:
  if (a >= 0){
  area=a*a;
  cout<<"Area of square is"<<area<<endl;</pre>
  else
  cout<<"Side cannot be negative";</pre>
  return 0;
```

## **OUTPUT:**

