

University of engineering & technology Peshawar



COMPUTER PROGRAMMING -LAB

Lab report # 11

Spring 2020

Submitted by: Ashfaq Ahmad

Section: B

Reg No: 19PWCSE1795

Semester: 2nd

“On my honor, as a student of University of Engineering and Technology Peshawar, I have neither given nor received unauthorized assistance on this academic work”

Student signature: _____

**Submitted to:
Eng: Abdullah**

Department Of Computer System Engineering

C++ Program with CLASS

Task no 1:

Make a C++ Program that will have a Class of your choosing. You can pick your own concept it doesn't need to be a specific Class (for example we in lab we made a class about rectangle choose anything like that).

Your class must contain the following:

- Constructor
- Member function
- Data members
- Destructor

➤ **A c++ program having class “circle” to find its area...**

Source code:

```
aaaa.cpp
1  #include<iostream>
2  using namespace std;
3
4  class circle
5  {
6      float radius, area;  //data members
7  public:
8      circle()              //constructor
9      {
10         cout<<"\n Enter the value of Radius : ";
11         cin>>radius;
12     }
13     void calculate();      //member function
14     void display();        //member function
15     ~circle()              //destructor
16     {
17         cout<<"\n\nAshfaq Ahmad"<<"\nreg no: 19pwcse1795";
18     }
19 };
20 inline void circle :: calculate() //accessing data members of a class circle
21 {
22     area = 3.14 * radius * radius;
23 }
24 inline void circle :: display()
25 {
26     cout<<"\n Area of Circle : "<<area;
27 }
28 int main()                //main function of program
29 {
30     circle cr;             //object created
31     cr.calculate();         //calling function
32     cr.display();           //calling function
33     return 0;
34 }
```

Compile Log Debug Find Results Close


- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\AshfaqAhmad\Documents\aaaa.exe
- Output Size: 1.83375072479248 MiB
- Compilation Time: 0.83s

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Compilation:

 C:\Users\AshfaqAhmad\Documents\aaaa.exe

```
Enter the value of Radius : 10  
Area of Circle : 314  
  
Ashfaq Ahmad  
reg no: 19pwcse1795  
-----  
Process exited after 4.655 seconds with return value 0  
Press any key to continue . . .
```

The end