**C++ Tutorial:**

**Program1:**

#include <iostream>

#include <string>

using namespace std;

// class definition

// "student" is a class

class Student {

public: // Access specifier

int rollNo; // Attribute (integer variable)

string stdName; // Attribute (string variable)

float perc; // Attribute (float variable)

};

int main()

{

// object creation

Student std;

// Accessing attributes and setting the values

std.rollNo = 101;

std.stdName = "Shivang Yadav";

std.perc = 98.20f;

// Printing the values

cout << "Student's Roll No.: " << std.rollNo << "\n";

cout << "Student's Name: " << std.stdName << "\n";

cout << "Student's Percentage: " << std.perc << "\n";

return 0;

}

**Output:**

Student's Roll No.: 101

Student's Name: Shivang Yadav

Student's Percentage: 98.2

**Program2:**

// Program to illustrate the working of

// objects and class in C++ Programming

#include <iostream>

using namespace std;

// create a class

class Room {

public:

double length;

double breadth;

double height;

double calculateArea() {

return length \* breadth;

}

double calculateVolume() {

return length \* breadth \* height;

}

};

int main() {

// create object of Room class

Room room1;

// assign values to data members

room1.length = 42.5;

room1.breadth = 30.8;

room1.height = 19.2;

// calculate and display the area and volume of the room

cout << "Area of Room = " << room1.calculateArea() << endl;

cout << "Volume of Room = " << room1.calculateVolume() << endl;

return 0;

}

**Output:**

Area of Room = 1309

Volume of Room = 25132.8

**Program 3:**

class Employee

{

public:

int eID;

string eName;

};

int main()

{

Employee Harry;

Harry.eID = 5;

Harry.eName = "Harry";

cout << "Employee having ID " << Harry.eID << " is " << Harry.eName << endl;

}

**Output:**

Employee having ID 5 is Harry

**Program 4:**

/\* Example Program Simple Class Example Program In C++

little drops @ thiyagaraaj.com

Coded By:THIYAGARAAJ MP \*/

// Header Files

#include <iostream>

#include<conio.h>

using namespace std;

// Class Declaration

class person {

//Access - Specifier

public:

//Variable Declaration

string name;

int number;

};

//Main Function

int main() {

// Object Creation For Class

person obj;

//Get Input Values For Object Varibales

cout << "Enter the Name :";

cin >> obj.name;

cout << "Enter the Number :";

cin >> obj.number;

//Show the Output

cout << obj.name << ": " << obj.number << endl;

getch();

return 0;

}

Sample Output

Enter the Name :Byron

Enter the Number :100

Byron: 100