

BMW X5 1999
Ford Mustang 1969

Process returned 0 (0x0) execution time : 0.766 s
Press any key to continue.

|

Area of Room = 1309
Volume of Room = 25132.8

Process returned 0 (0x0) execution time : 0.413 s
Press any key to continue.

Area of Room = 1309
Volume of Room = 25132.8

Process returned 0 (0x0) execution time : 0.413 s
Press any key to continue.

Creating a wall
Length = 5.5
Creating a wall.
Length = 12.5

Process returned 0 (0x0) execution time : 0.133 s
Press any key to continue.

```
1  #include <iostream>
2  #include <string>
3  using namespace std;
4
5  class Student {
6
7  private:
8      string pid;
9      float average_cgpa;
10     string favorite_subject;
11
12 public:
13     string college_name;
14     string department;
15     string name;
16     string roll_no;
17     string city;
18
19     Student(string c_name, string dept, string student_name, string roll) {
20         college_name = c_name;
21         department = dept;
22         name = student_name;
23         roll_no = roll;
24         pid = "233047";
25         average_cgpa = 7.8;
26         favorite_subject = "Mathemathics";
27         city = "Mumbai";
28     }
```

```
30 void initData(string p_id, float cgpa, string fav_subject) {
31     pid = p_id;
32     average_cgpa = cgpa;
33     favorite_subject = fav_subject;
34 }
35
36 void display() {
37     cout << "College Name: " << college_name << endl;
38     cout << "Department: " << department << endl;
39     cout << "Name: " << name << endl;
40     cout << "Roll No: " << roll_no << endl;
41     cout << "PID: " << pid << endl;
42     cout << "Average CGPA: " << average_cgpa << endl;
43     cout << "Favorite Subject: " << favorite_subject << endl;
44     cout << "City: " << city << endl;
45 }
46 };
47
48 int main() {
49     Student student1("SFIT", "EXTC", "Dev Mistry", "4");
50
51     student1.initData("233047", 8.5, "Mathematics");
52
53     student1.city = "Mumbai";
54
55     student1.display();
56
57     return 0;
58 }
```



D:\Dev\cpp\C++practical.exe



Department: EXTC

Name: Dev Mistry

Roll No: 4

PID: 233047

Average CGPA: 8.5

Favorite Subject: Mathematics

City: Mumbai

Process returned 0 (0x0) execution time : 0.120 s

Press any key to continue.

```
1  #include <iostream>
2  #include <string>
3  using namespace std;
4
5  class Student {
6  public:
7      string name;
8      string roll_no;
9      string department;
10     string college_name;
11     float average_cgpa;
12
13     Student() {
14         name = "Dev Mistry";
15         roll_no = "4";
16         department = "EXTC";
17         college_name = "SFIT";
18         average_cgpa = 7.8;
19     }
20
21     Student(string student_name, string roll, string dept, string college, float cgpa) {
22         name = student_name;
23         roll_no = roll;
24         department = dept;
25         college_name = college;
26         average_cgpa = cgpa;
27     }
28
29     void display() {
30         cout << "Name: " << name << endl;
```



```
roll_no = roll;  
department = dept;  
college_name = college;  
average_cgpa = cgpa;  
}
```

```
void display() {  
    cout << "Name: " << name << endl;  
    cout << "Roll No: " << roll_no << endl;  
    cout << "Department: " << department << endl;  
    cout << "College Name: " << college_name << endl;  
    cout << "Average CGPA: " << average_cgpa << endl;  
}  
};
```

```
int main() {  
  
    Student student1;  
    cout << "Student 1 details :" << endl;  
    student1.display();  
    cout << endl;  
  
    Student student4("Krishna pandey", "13", "EXTC", "SFIT", 8.7);  
    cout << "Student 2 details :" << endl;  
    student4.display();  
    cout << endl;  
  
    return 0;  
}
```

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▼

Student 1 details :

Name: Dev Mistry

Roll No: 4

Department: EXTC

College Name: SFIT

Average CGPA: 7.8

Student 2 details :

Name: Krishna pandey

Roll No: 13

Department: EXTC

College Name: SFIT

Average CGPA: 8.7

Process returned 0 (0x0) execution time : 0.185 s

Press any key to continue.