

01

Roll No : 20P-0165

NAME: JAWAD AHMED

CODE NO 1



```
1 #include <iostream>
2 using namespace std;
3
4 class Mobile
5 {
6     private:
7         int IMICode = 2323232;
8     public:
9         string Model = "Iphone 6s";
10        void Dail()
11        {
12        }
13
14        void Recieve()
15        {
16        }
17
18    };
19
20 int main()
21 {
22     Mobile myMobile;
23     Mobile friendMobile;
24     Mobile touchMol;
25     Mobile rotatoryMobl;
26     Mobile cellularMbl;
27
28     return 0;
29 }
```



1

```
2 namiirr@hoonnete:~/SEMESTERno2/oop_lab/lab_10$ cd "/home/namiirr/SEMESTERno2/oop_lab/lab_10/" && g++ 1.cpp -o 1 && "/home/namiirr/SEMESTERno2/oop_lab/lab_10/"1
```



CODE NO 2



```
1 #include <iostream>
2 using namespace std;
3
4 class Student
5 {
6     // States of Object: Data Member
7     public:
8         string name;
9         int Age;
10        string color;
11        string sex;
12    // Student behaviour
13    void Eating()
14    {
15    }
16
17    void Drinking()
18    {
19    }
20
21    void Running()
22    {
23    }
24
25
26 };
27
28
29
30 int main()
31 {
32     // First Student
33     Student student1;
34     student1.name = "Jawad";
35     student1.Age = 21;
36     student1.color = "Fair";
37     student1.sex = "Male";
38
39     student1.Eating();
40     student1.Drinking();
41     student1.Running();
42
43     Student student2;
44
45 }
```

OUTPUT



```
1 namiirr@hoonnete:~/SEMESTERno2/oop_lab/lab_10$ cd "/home/namiirr/SEMESTERno2/oop_lab/lab_10/" && g++ 2.cpp -o 2 && "/home/namiirr/SEMESTERno2/oop_lab/lab_10/"2
```

CODE NO 3



```
1 #include <iostream>
2 using namespace std;
3
4
5 class Student
6 {
7     // Data Members
8     public:
9         int id;
10        string name;
11        double salary;
12
13    private:
14        int data = 99;
15
16 };
17
18 int main()
19 {
20     Student s1;
21
22     s1.id = 556;
23     s1.name = "Rustam";
24     s1.salary = 600000;
25
26     cout << "The Student Id = " << s1.id << endl;
27     cout << "The Student Has a Name:    " << s1.name << endl;
28     cout << "The Student Has Salary:    " << s1.salary << endl;
29
30     return 0;
31 }
```

OUTPUT



```
1 namiirr@hoonnete:~/SEMESTERno2/oop_lab/lab_10$ cd "/home/namiirr/SEMESTERno2/oop_lab/lab_10/" && g++ 3.cpp -o 3 && "/home/namiirr/SEMESTERno2/oop_lab/lab_10/"3
2 The Student Id = 556
3 The Student Has a Name: Rustam
4 The Student Has Salary: 600000
```

CODE NO 4

```
● ● ●
1 #include <iostream>
2 using namespace std;
3
4
5 class Student
6 {
7     private:
8         int rollNo;
9         string name;
10        bool status;
11        float result;
12
13 public:
14     void getData(int rNo, string Name, bool Status, float Result)
15     {
16         rollNo = rNo;
17         name = Name;
18         status = Status;
19         result = Result;
20     }
21
22     void printData()
23     {
24         cout << "The Roll No = " << rollNo << endl;
25         cout << "The Name = " << name << endl;
26         cout << "The Status = " << status << endl;
27         cout << "The Result = " << result << endl;
28     }
29 }
30
31
32 int main()
33 {
34     Student s1;
35     s1.getData(22, "Hassan", true, 99.09);
36     s1.printData();
37     return 0;
38 }
```

OUTPUT



```
1
2 namiirr@hoonnete:~/SEMESTERno2/oop_lab/lab_10$ cd "/home/namiirr/SEMESTERno2/oop_lab/lab_10/" && g++ 4.cpp -o 4 && "/home/namiirr/SEMESTERno2/oop_lab/lab_10/"4
3 The Roll No = 22
4 The Name = Hassan
5 The Status = 1
6 The Result = 99.09
```

CODE NO 5

● ● ●

```
1 #include <iostream>
2 using namespace std;
3
4 class Sum_Calculator
5 {
6     private:
7         int numOne;
8         int numTwo;
9     public:
10     void Set_Value(int numOne, int numTwo)
11     {
12         this->numOne = numOne;
13         this->numTwo = numTwo;
14     }
15
16     int Display_Sum()
17     {
18         return numOne + numTwo;
19     }
20 };
21
22 int main()
23 {
24     int sum = 0;
25     Sum_Calculator s;
26     int numOne = 0, numTwo = 0;
27     cout << "Enter the Number One: ";
28     cin >> numOne;
29     cout << "Enter the Number Two: ";
30     cin >> numTwo;
31
32     s.Set_Value(numOne, numTwo);
33     sum = s.Display_Sum();
34
35     cout << "The Sum is = " << sum << endl;
36
37     return 0;
38 }
```

OUTPUT



```
1 namiirr@hoonnete:~/SEMESTERno2/oop_lab/lab_10$ cd "/home/n  
amiirr/SEMESTERno2/oop_lab/lab_10/" && g++ 5.cpp -o 5 && "  
/home/namiirr/SEMESTERno2/oop_lab/lab_10/"5  
2 Enter the Number One: 2  
3 Enter the Number Two: 2  
4 The Sum is = 4
```

CODE NO 6

```
1 #include <iostream>
2 using namespace std;
3
4 class Student_Record
5 {
6 private:
7     char name[15];
8     float s1, s2, s3, total, avg;
9
10 public:
11     void Get_Record()
12     {
13         cout << "Enter the Name of the Student: ";
14         cin >> name;
15
16         cout << "Enter the marks of subject 1: ";
17         cin >> s1;
18
19         cout << "Enter the Marks of the subject 2: ";
20         cin >> s2;
21
22         cout << "Enter the Marks of the subject 3: ";
23         cin >> s3;
24
25         total = s1 + s2 + s3;
26         avg = total / 3.0;
27     }
28
29     void Display_Record()
30     {
31         cout << "The Name of the Student is = " << name << endl;
32         cout << "The Subject 1 Marks --- " << s1 << endl;
33         cout << "The Subject 2 Marks --- " << s2 << endl;
34         cout << "The Subject 3 Marks --- " << s3 << endl;
35         cout << "Total Marks--- " << total << endl;
36         cout << "Average Marks --- " << avg << endl;
37     }
38 };
39
40 int main()
41 {
42     // Declare the object of class
43     Student_Record stdRecord;
44     stdRecord.Get_Record();
45     stdRecord.Display_Record();
46
47     return 0;
48 }
```

OUTPUT



```
1 namiirr@hoonnete:~/SEMESTERno2/oop_lab/lab_10$ cd "/home/namiirr/SEMESTERno2/oop_lab/lab_10/" && g++ 6.cpp -o 6 && "/home/namiirr/SEMESTERno2/oop_lab/lab_10/"6
2 Enter the Name of the Student: Ali
3 Enter the marks of subject 1: 45.5
4 Enter the Marks of the subject 2: 45.6
5 Enter the Marks of the subject 3: 45.8
6 The Name of the Student is = Ali
7 The Subject 1 Marks --- 45.5
8 The Subject 2 Marks --- 45.6
9 The Subject 3 Marks --- 45.8
10 Total Marks--- 136.9
11 Average Marks --- 45.6333
```

CODE NO 7

```
#include <iostream>
using namespace std;

class Student_Record
{
private:
    char name[15];
    float s1, s2, s3, total, avg;

public:
    void Get_Record();
    void Display_Record();
};

void Student_Record::Get_Record()
{
    cout << "Enter the Name of the Student: ";
    cin >> name;

    cout << "Enter the marks of subject 1: ";
    cin >> s1;

    cout << "Enter the Marks of the subject 2: ";
    cin >> s2;

    cout << "Enter the Marks of the subject 3: ";
    cin >> s3;

    total = s1 + s2 + s3;
    avg = total / 3.0;
}

void Student_Record::Display_Record()
{
    cout << "The Name of the Student is = " << name << endl;
    cout << "The Subject 1 Marks --- " << s1 << endl;
    cout << "The Subject 2 Marks --- " << s2 << endl;
    cout << "The Subject 3 Marks --- " << s3 << endl;
    cout << "Total Marks--- " << total << endl;
    cout << "Average Marks --- " << avg << endl;
}

int main()
{
    // Declare the object of class
    Student_Record stdRecord;
    stdRecord.Get_Record();
    stdRecord.Display_Record();

    return 0;
}
```

OUTPUT



```
1 namiirr@hoonnete:~/SEMESTERno2/oop_lab/lab_10$ cd "/home/namiirr/SEMESTERno2/oop_la  
b/lab_10/" && g++ 7.cpp -o 7 && "/home/namiirr/SEMESTERno2/oop_lab/lab_10/"7  
2 Enter the Name of the Student: Jawad  
3 Enter the marks of subject 1: 45.5  
4 Enter the Marks of the subject 2: 87.45  
5 Enter the Marks of the subject 3: 4  
6 The Name of the Student is = Jawad  
7 The Subject 1 Marks --- 45.5  
8 The Subject 2 Marks --- 87.45  
9 The Subject 3 Marks --- 4  
10 Total Marks--- 136.95  
11 Average Marks --- 45.65
```

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