NAME: HASNAT AHMAD.

CLASS: BSE(2A).

ROLL NO: 20P-0079.

SUBJECT: OPP LAB.

ASSIGNMENT 8.

QUESTION 1.

```
return total;
  }
  public:
  void Takedata(){
                                  //Memberfunction taking values from user and
assigning value to data members
    cout<<"Enter Student Name : "<<endl;</pre>
    cin.getline(sname,20);
    cout<<"Enter Admission No : "<<endl;</pre>
    cin>>admno;
    cout<<"Enter English,Maths,Science marks : "<<endl;</pre>
    cin>>eng;
    cin>>math;
    cin>>science;
                             //calling ctotal function
    ctotal();
  }
  void Showdata(){
                                  //Member function to show data on screen
    cout<<"YOur Admission No : "<<admno<<endl;</pre>
    cout<<"Student Name : "<<sname<<endl;</pre>
    cout<<"English MArks: "<<eng<< ", Maths MArks: "<<math<<", Science
Marks: "<<science<<endl;
    cout<<"Total: "<<total<<endl;
  }
};
int main(){
```

```
Student s1; //creating object of class Student
s1.Takedata(); //fumction is called for object initialization
s1.Showdata();
}
```

```
Enter Student Name :
Hasnat Ahmad
Enter Admission No :
14
Enter English, Maths, Science marks :
70
70
60
YOur Admission No : 14
Student Name : Hasnat Ahmad
English MArks : 70 , Maths MArks : 70 , Science Marks : 60
Total : 200
```

QUESTION 2.

```
#include<iostream>
#include<string>
#include<string.h>
using namespace std;
class Batsman{    //Class Batsmen
```

```
private:
  int bcode;
                               //Data Members
  char bname[20];
  int innings, notout, runs;
  float batavg;
  float cavg(){
    batavg=runs/(innings-notout); //Member function calculating batsmen
average
    return batavg;
  }
  public:
  void readdata(){
                                 //Memberfunction taking values from user and
assigning to data members
    cout<<"Enter Batsman Name : "<<endl;</pre>
    cin.getline(bname,20);
    cout<<"Enter Batsman Code : "<<endl;</pre>
    cin>>bcode;
    cout<<"Enter Innings, Notout , Runs : "<<endl;</pre>
    cin>>innings;
    cin>>notout;
    cin>>runs;
    cavg();
                               //calling cavg function
  }
                                     //Member function to show data on screen
  void displaydata(){
```

```
Batsman Name
Hasnat Ahmad
Enter Batsman Code :
Enter Innings, Notout ,
1
1000
YOur Batsman
             Code
Batsman Name
               Hasnat Ahmad
                          , Runs
Innings : 6 ,
              Notout :
                        1
Batsman Average
                  200(base) spy007@spy007:
```