

*solution*

Define a class batsman with the following specifications:

**Private members:**

bcode                    4 digits code number

bname                    20 characters

innings, notout, runs    integer type

batavg                    it is calculated according to the formula –

$$\text{batavg} = \text{runs} / (\text{innings} - \text{notout})$$

calcavg()                Function to compute    batavg

**Public members:**

readdata()                Function to    accept value from bcode, name, innings, notout and invoke the function

displaydata()            Function to display the data members on the screen.

Sol:

```
#include<iostream.h>
```

```
#include<conio.h>
```

```
#include<stdio.h>
```

```
class student
```

```
{
```

```
private:
```

```
    int admno;
```

```
    char sname[20];
```

```
    float eng,math,science;
```

```
    float total;
```

```
    float cttotal()
```

```
    {
```

```

        return eng+math+science;
    }
public:
    void Takedata()
    {
        cout<<"Enter admission number ";
        cin>> admnc;
        cout<<"Enter student name " ;
        gets(sname);
        cout<< "Enter marks in english, math, science ";
        cin>>eng>>math>>science;
        total=ctotal();
    }

    void Showdata()
    {
        cout<<"Admission number "<<admnc<<"\nStudent name "<<sname<<"\nEnglish "
        <<eng<<"\nMath "<<math<<"\nScience "<<science<<"\nTotal "<<total;
    }
};

int main ()
{
    clrscr();
    student obj ;
    obj.Takedata();
    obj.Showdata();
}

```

```
getch();
```

```
return 0;
```

```
}
```