Experiment Number – 07

Aim: Write C++ program to create a class for student to get and print details of a student.

Objective: To get the details of a student

Flowchart:

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le 'name'
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Algorithm:

- 1. Start.
- 2. Declare the class 'Student' with integer data member 'grno', float 'percent', char 'division' & 'name' under private access specifier
- 3. Declare Member functions: 'getdata', 'display' under public access specifier.
- 4. Call the function getdata() and get the following data from user.
 - Name
 - GR. No.
 - Percentage
 - Division
- 5. Call the function display() and display the following data.
 - name
 - division
 - percent
 - GRN no.
- 6. Stop.

Program:

```
# include<iostream>
using namespace std;
class student
    private:
    int grno;
    float percent;
    char division;
    char name[20];
    public:
    void getdata()
         cout<<"Enter student details:"<<endl;</pre>
         cout<<"Enter Name:"<<endl;</pre>
         cin>>name;
         cout<<"Enter GR. No.:"<<endl;</pre>
         cin>>grno;
         cout<<"Enter Percentage:"<<endl;</pre>
         cin>>percent;
         cout<<"Enter Division:"<<endl;</pre>
         cin>>division;
    void display()
         cout<<"DETAILS :-"<<endl;</pre>
         cout<<"Name:"<<name<<endl;</pre>
         cout<<"Division:"<<division<<endl;</pre>
         cout<<"Percentage:"<<percent<<endl;</pre>
         cout<<"GR. No. :"<<grno<<endl;</pre>
};
int main()
    student s1;
    s1.getdata();
    s1.display();
    return 0;
```

Output:

```
Enter student details:
Enter Name:
Siddhesh
Enter GR. No.:
22110398
Enter Percentage:
96
Enter Division:
N
DETAILS:-
Name:Siddhesh
Division:N
Percentage:96
GR. No.:22110398
```

Conclusion:

With the help of a class student, user input values can be passed to objects of class and this property enables us to get and print details of a student.

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