

**Name:** Devanshu Surana

**Roll No.:** 23

**Panel:** C

**Batch:** C1

## OOCCJ Lab Assignment 1A

### CODE:

```
//Create a class studnet and accept details - name,roll no.,panel,school,mobile
#include <iostream>
using namespace std;

//Creating a class
class student{
private:
    string name;
    int roll;
    int div;
    string school;
    int mobile;
public:
    student();
    student(string name,int roll,int div,string school,int mobile);
    ~student();
    void display();
    void getdata();
};

student::student() {
    name="";
    roll=0;
    div=0;
```

```

        school="";
        mobile=0;
    }

student::student(string n,int r,int d,string s,int m){
    name=n;
    roll=r;

    div=d;
    school=s;
    mobile=m;
}

//Non parameterized
void student::display(){
    cout<<"\nName: "<<name<<"\nDiv:\n "<<div<<"\nRoll No: \n "<<roll<<"\nSchool:
\n"<<school<<"\nMobile\n"<<mobile;
}

//Parameterized

//Creating a get data function

void student::getdata(){
    int r,d,m;
    string n,s;
    cout<<"Enter the name: ";
    cin>>n;
    cout<<"\nEnter the Div: ";
    cin>>d;
    cout<<"\nEnter the Roll: ";
    cin>>r;
    cout<<"\nEnter School: ";
    cin>>s;
    cout<<"\nEnter Mobile Number: ";
    cin>>m;
}

//Destructor
student::~student()
{
    cout<<"\nHI! I am a destructor";
}

```

```

}

int main() {
    int i;
    cout << "PC 23 Devanshu Surana" << endl;
    student s[10];
    for(i=0;i<10;i++){
        student s[i];
        s[i].getdata();
    }
    for(i=0;i<10;i++){
        s[i].display();
    }
    return 0;
}

```

## Output:-

```

PC 23 Devanshu Surana
Enter the name: Devanshu
Enter the Div: 3
Enter the Roll: 23
Enter School: SCET
Enter Mobile Number: 123456789
Enter the name: Anuj
Enter the Div: 3
Enter the Roll: 24
Enter School: SCET
Enter Mobile Number: 987654321
HI! I am a destructorEnter the name: |

```