Program-File

```
#include<iostream>
#include<fstream>
#include<cstring>
using namespace std;
class tel
  public:
    int rollNo,roll1;
    char name[10];
    char div;
    char address[20];
    void accept()
    {
       cout<<"\n\tEnter Roll Number : ";</pre>
       cin>>rollNo;
       cout<<"\n\tEnter the Name : ";</pre>
       cin>>name;
       cout<<"\n\tEnter the Division:";</pre>
       cin>>div;
       cout<<"\n\tEnter the Address:";</pre>
       cin>>address;
     }
      void accept2()
       {
           cout<<"\n\tEnter the Roll No. to modify : ";</pre>
           cin>>rollNo;
       }
```

```
int getRollNo()
        return rollNo;
      }
    void show()
    {
      cout << "\n\t" << roll No << "\t\t" << div << "\t\t" << address;
    }
};
int main()
{
  int i,n,ch,ch1,rec,count,start,add,n1;
  char name[20],name2[20];
  tel t1;
  count=0;
  fstream g,f;
  do
  {
    cout<<"\n>>>>>>>>>>>MENU<<<<<";
    cout<<"\n1.Insert and overwrite\n2.Show\n3.Search & Edit(number) \n4.Delete a Student
Record\n 5.Exit";
    cout<<"\n\tEnter the Choice\t:";</pre>
    cin>>ch;
    switch(ch)
    {
       case 1:
         f.open("StuRecord.txt",ios::out);
         x:t1.accept();
         f.write((char*) &t1,(sizeof(t1)));
```

```
cout<<"\nDo you want to enter more records?\n1.Yes\n2.No";</pre>
    cin>>ch1;
    if(ch1==1)
       goto x;
    else
    {
       f.close();
       break;
    }
 case 2:
    f.open("StuRecord.txt",ios::in);
   f.read((char*) &t1,(sizeof(t1)));
    while(f)
    {
      t1.show();
      f.read((char*) &t1,(sizeof(t1)));
    }
    f.close();
    break;
case 3:
  cout<<"\nEnter the roll number you want to find";</pre>
  cin>>rec;
  f.open("StuRecord.txt",ios::in|ios::out);
  f.read((char*)&t1,(sizeof(t1)));
  while(f)
  {
       if(rec==t1.rollNo)
```

```
{
       cout<<"\nRecord found";</pre>
       add=f.tellg();
       f.seekg(0,ios::beg);
        start=f.tellg();
       n1=(add-start)/(sizeof(t1));
       f.seekp((n1-1)*sizeof(t1),ios::beg);
       t1.accept();
       f.write((char*) &t1,(sizeof(t1)));
       f.close();
       count++;
       break;
     }
       f.read((char*)&t1,(sizeof(t1)));
    }
  if(count==0)
    cout<<"\nRecord not found";</pre>
  f.close();
  break;
case 4:
    int roll;
    cout<<"Please Enter the Roll No. of Student Whose Info You Want to Delete: ";
    cin>>roll;
    f.open("StuRecord.txt",ios::in);
    g.open("temp.txt",ios::out);
    f.read((char *)&t1,sizeof(t1));
    while(!f.eof())
    {
    if (t1.getRollNo() != roll)
```

```
g.write((char *)&t1,sizeof(t1));
           f.read((char *)&t1,sizeof(t1));
           cout << "The record with the roll no. " << roll << " has been deleted
                                                                                           " << endl;
           }
           f.close();
           g.close();
           remove("StuRecord.txt");
           rename("temp.txt","StuRecord.txt");
           break;
         case 5:
           cout<<"\n\tThank you";</pre>
           break;
      }
  }while(ch!=5);
}
```

Output:

1.Insert and overwrite

2.Show

3.Search & Edit(number)

4.Delete a Student Record

5.Exit

Enter the Choice :1
Enter Roll Number : 1

Enter the Name: A

```
Enter the Division:A+
   Enter the Address:
Do you want to enter more records?
1.Yes
2.No2
>>>>>>>>>>>>>
1.Insert and overwrite
2.Show
3.Search & Edit(number)
4.Delete a Student
                       Record
5.Exit
   Enter the Choice
                   :2
          Α
   1
                 Α
>>>>>>>>>>>>
1.Insert and overwrite
2.Show
3.Search & Edit(number)
4.Delete a Student
                       Record
5.Exit
   Enter the Choice
                   :3
Enter the roll number you want to find1
Record found
   Enter Roll Number: 2
   Enter the Name: B
   Enter the Division:B+
   Enter the Address:
>>>>>>>>>>>>>
1.Insert and overwrite
```

2.Show

3.Search & Edit(number)
4.Delete a Student Record
5.Exit
Enter the Choice :2
2 B B +
>>>>>>>>>>
1.Insert and overwrite
2.Show
3.Search & Edit(number)
4.Delete a Student Record
5.Exit
Enter the Choice :4
Please Enter the Roll No. of Student Whose Info You Want to Delete: 2
The record with the roll no. 2 has been deleted
>>>>>>>>>>>
1.Insert and overwrite
2.Show
3.Search & Edit(number)
4.Delete a Student Record
5.Exit
Enter the Choice :2
>>>>>>>>>>>
1.Insert and overwrite
2.Show
3.Search & Edit(number)
4.Delete a Student Record
5.Exit