Assignment no 1 1

/*Department maintains a student information. The file contains roll number, name, division and address. Allow user to add, delete information of student. Display information of particular employee. If record of student does not exist an appropriate message is displayed. If it is, then the system displays the student details. Use sequential file to main the data.*/

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#include<iostream>
#include<fstream> using
namespace std; class student
        public:
         char name[10]; int roll;
        void getdata()
                         cout<<"\n Enter the roll no and name:"; cin>>roll>>name;
                 void putdata()
                         cout<<"\n The roll no and name:"; cout<<roll<<""<
class file
        fstream fp; public:
                void create()
                        char
                                   ans;
                                            student
                        fp.open("stu.dat",ios::out); do
                                 s.getdata();
                                                           fp.write((char
                                 *)&s,sizeof(s)); cout<<"\n More?" •
                               cin>>ans; }
            while(ans=='Y'llans 'y'); fp.close(); void
            append()
                       char
                                          student
                                 ans;
                                                      s;
                       fp.open("stu.dat",ios::app); do
                               s.getdata(); fp.write((char
                               *)&s,sizeof(s)); cout<<"\n More?"•
                               cin>>ans;
                       }while(ans=='Y'||ans=='y');
```

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fp.close();
                          void
    display()
            student s; fp.open("stu.dat",ios::in);
            while(!fp.eof())
                    fp.read((char *)&s,sizeof(s)); if! fp.eo
                            s.putdata();
fp.close(); void search()
           student s; int flag=0; int r; cout <<"\n Enter
           to be searched:"; cin >>
      fp.open("stu.dat",ios::in); while(!fp.eof())
                   fp.read((char *)&s,sizeof(s)); if(!fp.eof() &&
                   s.roll==r)
            { flag=l; s.putdata(); break; }
       if cout << "\n Not found"; fp.close(); void
    update()
            student s; int flag=0; int r; cout <<"\n
      Enter roll to be updated:"; cin >> r;
      fp.open("stu.dat",ios::inlios::out);
      while(!fp.eof())
                    fp.read((char *)&s,sizeof(s)); if(!fp.eof() && s.roll
                   r)
              flag=1; cout <<"\n Enter new data\n";
              s.getdata(): fp.seekp(-1*sizeof(s)
              fp.write((char *)&s,sizeof(s)); break;
      if cout << "\n Not found"; fp.close(); void
   deletel ()
          student s; int flag=0; fstream fp 1; cout <<"\n
     Enter roll to be deleted: "; int r; cin r;
     fp.open("stu.dat",ios::in);
                                                    fpl
     .open("temp.dat",ios::out);
     while(fp.read((char *)&s,sizeof(s)))
                  if( s.roll!=r)
          flag=l; fpl .write((char *)&s,sizeof(s));
         if cout << "\n Not found"; fp.close(); fpl
          .close();
                                       remove("stu.dat");
          rename("temp.dat","stu.dat");
```

int main()

file f; int choice; do { cout << "\nl create \n 2 display \n 3 Search \n 4 Append"; cout << " \n 6 delete In 7 Update"; cout << "\n Enter choice: "; cin >> choice; switch(choice)

case l:f.create(); break; case 2:f.display(); break; case 3:f.search(); break; case 4:f.append(); break; case 6:f.delete1();break; case 7:f.update();break;

} while(choice< 8);</pre>
| return 0;}

