class student  
{  
            int admno;  
            char name[20];  
public:  
          void getdata()  
          {  
                     cout<<"\nEnter The admission no. ";  
                     cin>>admno;  
                     cout<<"\n\nEnter The Name of The Student ";  
                     gets(name);  
          }  
          void showdata()  
          {  
                     cout<<"\nAdmission no. : "<<admno;  
                     cout<<"\nStudent Name : ";  
                     puts(name);  
          }  
          int retadmno()  
          {  
                     return admno;  
          }  
};

**function to write in a binary file**

void write\_data()  
{  
          student obj;  
          ofstream fp2;  
          fp2.open("student.dat",ios::binary|ios::app);  
          obj.getdata();  
          fp2.write((char\*)&obj,sizeof(obj));  
          fp2.close();  
}

**function to display records of file**

void display()  
{  
          student obj;  
          ifstream fp1;  
          fp1.open("student.dat",ios::binary);  
          while(fp1.read((char\*)&obj,sizeof(obj)))  
          {  
                     obj.showdata();  
          }  
}  
          fp.close();  
}

**Function to search and display from binary file**

void search (int n)  
{  
          student obj;  
          ifstream fp1;  
          fp1.open("student.dat",ios::binary);  
          while(fp1.read((char\*)&obj,sizeof(obj)))  
          {  
                     if(obj.retadmno()==n)  
                                obj.showdata();  
          }  
          fp1.close();  
}

**Function to delete a record**

void deleterecord(int n)  
{  
          student obj;  
          ifstream fp1;  
          fp1.open("student.dat",ios::binary);  
          ofstream fp2;  
          fp2.open("Temp.dat",ios::out|ios::binary);  
          while(fp1.read((char\*)&obj,sizeof(obj)))  
          {  
                      if(obj.retadmno!=n)  
                                    fp2.write((char\*)&obj,sizeof(obj));  
          }  
          fp1.close();  
          fp2.close();  
          remove("student.dat");  
          rename("Temp.dat","student.dat");  
}

**Function to modify a record**

void modifyrecord(int n)  
{  
          fstream fp;  
          student obj;  
          int found=0;   
          fp.open("student.dat",ios::in|ios::out);  
          while(fp.read((char\*)&obj,sizeof(obj)) && found==0)  
          {  
                     if(obj.retadmno()==n)  
                     {  
                              obj.showdata();  
                              cout<<"\nEnter The New Details of student";  
                              obj.getdata();  
                              int pos=-1\*sizeof(obj);  
                              fp.seekp(pos,ios::cur);  
                              fp.write((char\*)&obj,sizeof(obj));  
                              found=1;  
                    }  
          }  
          fp.close();  
}