**STAFF ~**

**#include<iostream.h>**

**#include<conio.h>**

**#include<stdio.h>**

**#include<fstream.h>**

**#include<ctype.h>**

**#include<string.h>**

**class staff**

**{**

**private:**

**long idnumber;**

**char name[15];**

**char fname[20];**

**char mname[20];**

**int income;**

**char address[40];**

**char department[20];**

**int age;**

**public:**

**staff()**

**{**

**idnumber=0;**

**income=0;**

**name[0]='\0';**

**fname[0]='\0';**

**mname[0]='\0';**

**age =0;**

**address[0]='\0';**

**department[0]='\0';**

**}**

**staff(long idno, char nme[], char fnme[],char mnme[],int incme,char adress[],char dprtmnt[],int agee)**

**{**

**idnumber=idno;**

**income=incme;**

**age=agee;**

**strcpy(name,"nme");**

**strcpy(fname,"fnme");**

**strcpy(mname,"mnme");**

**strcpy(address,"adress");**

**strcpy(department,"dprtmnt");**

**}**

**staff(staff&S)**

**{**

**idnumber=S.idnumber;**

**income=S.income;**

**age=S.age;**

**strcpy(name,S.name);**

**strcpy(fname,S.fname);**

**strcpy(mname,S.mname);**

**strcpy(address,S.address);**

**strcpy(department,S.department);**

**}**

**void enterdata()**

**{**

**cout<<"Enter the id number";**

**cin>>idnumber;**

**cout<<"Enter the name";**

**cin>>name;**

**cout<<"Enter the father name";**

**cin>>fname;**

**cout<<"Enter the mother name";**

**cin>>mname;**

**cout<<"Enter the age";**

**cin>>age;**

**cout<<"Enter the income";**

**cin>>income;**

**cout<<"\nEnter the address:"; gets(address);**

**cout<<"\nEnter the department:"; cin>>department;**

**}**

**void showdata()**

**{**

**cout<<"id number is"<<idnumber;**

**cout<<"name is"<<name;**

**cout<<"father name is"<<fname;**

**cout<<"mother name is"<<mname;**

**cout<<"age is"<<age;**

**cout<<"income is"<<income;**

**cout<<"address is"<<address;**

**cout<<"department is"<<department;**

**}**

**int retcode()**

**{**

**return(idnumber);**

**}**

**};**

**void Input\_staff()**

**{**

**staff S;**

**ofstream fout("staff.dat",ios::binary|ios::app);**

**int n;**

**cout<<"Enter how many records";**

**cin>>n;**

**for(int i=0;i<n;i++)**

**{**

**S.enterdata();**

**fout.write((char\*)&S,sizeof(S));**

**}**

**fout.close();**

**}**

**void Display\_staff()**

**{**

**staff S;**

**ifstream fin("staff.dat",ios::binary);**

**cout<<"STAFF DETAILS \n ";**

**getch();**

**while(fin.read((char\*)&S,sizeof(S)))**

**{**

**S.showdata();**

**}**

**fin.close();**

**}**

**void Modify\_staff()**

**{**

**staff S;**

**fstream finout("staff.dat",ios::in|ios::out|ios::binary);**

**int ino;**

**cout<<"Enter the code to be modified";**

**cin>>ino;**

**while(finout.read((char\*)&S,sizeof(S)))**

**{**

**if (S.retcode()==ino)**

**{**

**cout<<"\n Data found ..Enter the modified information";**

**S.enterdata();**

**finout.seekg(-1\*sizeof(S), ios::cur);**

**finout.write((char\*)&S,sizeof(S));**

**}**

**}**

**finout.close();**

**}**

**void Delete\_staff()**

**{**

**staff S;**

**ifstream fin("staff.dat",ios::binary);**

**ofstream fout("new1.dat",ios::binary);**

**int ino;**

**cout<<"\nEnter the code to be deleted";**

**cin>>ino;**

**while(fin.read((char\*)&S,sizeof(S)))**

**{**

**if(S.retcode()==ino)**

**cout<<"\n Data found to be deleted";**

**else**

**fout.write((char\*)&S,sizeof(S));**

**}**

**fin.close();**

**fout.close();**

**remove("staff.dat");**

**rename("new1.dat","staff.dat");**

**}**

**void main()**

**{**

**int ch=1,lp=1;**

**while(lp)**

**{**

**clrscr();**

**cout<<"\nEnter the choice";**

**cout<<"\n1.Enter the Staff Details";**

**cout<<"\n2.Display the Staff Details";**

**cout<<"\n3.Modify the Staff Details";**

**cout<<"\n4.Delete the Staff name from list";**

**cout<<"\n5.Exit\n Your choice is";**

**cin>>ch;**

**switch(ch)**

**{**

**case 1: Input\_staff();**

**break;**

**case 2: Display\_staff();**

**break;**

**case 3: Modify\_staff();**

**break;**

**case 4: Delete\_staff();**

**break;**

**case 5:**

**cout<<"\nThanks ..YOU press any key to exit";**

**lp=0;**

**break;**

**default:;**

**}**

**}**

**getch();**

**}**