Admission Test Exam Result in Varsity.

#include <iostream.h>

#include<dir.h>

#include <conio.h>

#include <string.h>

#include <fstream.h>

#include <iomanip.h>

#include <stdio.h>

class student

{

protected:

char name[50][20];

int roll[50];

int pos[50];

};

class details:private student

{

private:

char det[100];

public:

void get(char \*);

void show(char \*);

};

void details::get(char \*a)

{

char b[20]="Info\\";

strcat(b,a);

ofstream out;

mkdir("Info");

strcat(b,".txt");

out.open(b);

cout<<"\nFathar name : ";

out<<"\nFathar name : ";

gets(det);

out<<det<<endl;

cout<<"\nMothar name : ";

out<<"\nMothar name : ";

gets(det);

out<<det<<endl;

cout<<"\nVillage : ";

out<<"\nVillage : ";

gets(det);

out<<det<<endl;

cout<<"\nSchool name : ";

out<<"\nSchool name : ";

gets(det);

out<<det<<endl;

cout<<"\nCollege name : ";

out<<"\nCollege name : ";

gets(det);

out<<det<<endl;

out.close();

}

void details::show(char \*a)

{

char b[20]="Info\\";

if(strcmp(a,"no")==0)

{

cout<<"\nInvalid position.";

getch();

}

else

{

ifstream in;

strcat(b,a);

strcat(b,".txt");

in.open(b);

clrscr();

while(in)

{

in.getline(det,100);

cout<<det<<endl;

}

getch();

in.close();

}

}

class mig:private student

{

private:

int choice[50][6];

int dep\_pos[50];

int a,b,c,d,e,f,z,count;

char all[50][5];

char new\_dep[50][5];

public:

mig (void){a=0;b=0;c=0;d=0;e=0;f=0;z=0;count=0;}

void merite\_list(void);

void old\_dept(void);

void new\_dept(int);

int migration(void);

void see\_list(void);

char \* add(void);

char \* srch(void);

};

char \* mig :: srch()

{

int i,j=32+count,k;

cout<<"\nEnter position : ";

cin>>i;

for(k=0;k<j;k++)

{

if(pos[k]==i)

return name[k];

}

return ("no");

}

void mig :: merite\_list(void)

{

int i;

ifstream in;

in.open("M.txt");

while (in.eof()==0)

{

in>>name[z]>>pos[z]>>roll[z];

for(i=0;i<6;i++)

in>>choice[z][i];

z++;

}

in.close();

}

char \* mig :: add ()

{

int i;

ofstream out;

out.open("M.txt",ios::app);

cout<<"\n\nEnter Name : ";

cin>>name[z];

out<<endl<<name[z]<<"\ ";

cout<<"\nEnter Possition : ";

cin>>pos[z];

out<<pos[z]<<"\ ";

cout<<"\nEnter Roll : ";

cin>>pos[z];

out<<pos[z]<<"\ ";

cout<<"\n1.CSE 2.EEE 3.ECE 4.CE 5.ME 6.IEM.\n\n";

for(i=0;i<6;i++)

{

cout<<" choice "<<i+1<<" : ";

cin>>choice[z][i];

out<<choice[z][i];

if(i!=5)

out<<"\ ";

}

out.close();

z++;

return name[z-1];

}

void mig :: old\_dept()

{

int i,j=0;

for(i=0;i<32;i++)

{

srch:if(choice[i][j]==1)

{

if (a<4)

{

dep\_pos[i]=j;

strcpy(all[i],"CSE");

strcpy(new\_dep[i],"CSE");

a++;

j=0;

}

else

{

j++;

goto srch;

}

}

else if(choice[i][j]==2)

{

if (b<8)

{

dep\_pos[i]=j;

strcpy(all[i],"EEE");

strcpy(new\_dep[i],"EEE");

b++;

j=0;

}

else

{

j++;

goto srch;

}

}

else if(choice[i][j]==3)

{

if (c<2)

{

dep\_pos[i]=j;

strcpy(all[i],"ECE");

strcpy(new\_dep[i],"ECE");

c++;

j=0;

}

else

{

j++;

goto srch;

}

}

else if(choice[i][j]==4)

{

if (d<8)

{

dep\_pos[i]=j;

strcpy(all[i],"CE");

strcpy(new\_dep[i],"CE");

d++;

j=0;

}

else

{

j++;

goto srch;

}

}

else if(choice[i][j]==5)

{

if (e<8)

{

dep\_pos[i]=j;

strcpy(all[i],"ME");

strcpy(new\_dep[i],"ME");

e++;

j=0;

}

else

{

j++;

goto srch;

}

}

else if(choice[i][j]==6)

{

if (f<2)

{

dep\_pos[i]=j;

strcpy(all[i],"IEM");

strcpy(new\_dep[i],"IEM");

f++;

j=0;

}

else

{

j++;

goto srch;

}

}

}

}

void mig :: see\_list(void)

{

int i,j=0,k=1,l=32+count,m=1;

clrscr();

ofstream out("New\_list.doc");

if(l<=32)

{

cout<<"Srl. Name Roll Possition Dept (CSE EEE ECE CE ME IEM)\n";

out<<"Srl. Name Roll Possition Dept (CSE EEE ECE CE ME IEM)\n";

for(i=0;i<74;i++)

{

cout<<(char)45;

out<<(char)45;

}

cout<<endl;

out<<endl;

for(i=0;i<l;i++)

{

if(pos[i]!=0)

{

cout.setf(ios::left);

out.setf(ios::left);

cout<<setw(0)<<" "<<setw(5)<<k<<setw(12)<<name[i]<<setw(12)<<roll[i]<<setw(8)<<pos[i]<<setw(5)<<all[i]<<setw(4);

out<<setw(0)<<" "<<setw(5)<<k<<setw(12)<<name[i]<<setw(12)<<roll[i]<<setw(8)<<pos[i]<<setw(5)<<all[i]<<setw(4);

cout.setf(ios::right);

out.setf(ios::right);

while(1)

{

if(choice[i][j]==m)

{

cout<<(j+1)<<setw(5);

out<<(j+1)<<setw(5);

j=-1;

m++;

}

if(m==7)

{

m=1;

break;

}

j++;

}

cout<<endl;

out<<endl<<endl;

k++;

}

}

}

else

{

cout<<"Srl. Name Roll Pos Old Dep. New Dep. (CSE EEE ECE CE ME IEM)\n";

out<<"Srl. Name Roll Pos Old Dep. New Dep. (CSE EEE ECE CE ME IEM)\n";

for(i=0;i<79;i++)

{

cout<<(char)45;

out<<(char)45;

}

cout<<endl;

out<<endl;

for(i=0;i<l;i++)

{

if(pos[i]!=0)

{

cout.setf(ios::left);

out.setf(ios::left);

cout<<setw(0)<<" "<<setw(5)<<k<<setw(12)<<name[i]<<setw(9)<<roll[i]<<setw(7)<<pos[i]<<setw(11)<<all[i]<<setw(6)<<new\_dep[i]<<setw(5);

out<<setw(0)<<" "<<setw(5)<<k<<setw(12)<<name[i]<<setw(9)<<roll[i]<<setw(7)<<pos[i]<<setw(11)<<all[i]<<setw(6)<<new\_dep[i]<<setw(5);

strcpy(all[i],new\_dep[i]);

cout.setf(ios::right);

out.setf(ios::right);

while(1)

{

if(choice[i][j]==m)

{

cout<<(j+1)<<setw(4);

out<<(j+1)<<setw(4);

j=-1;

m++;

}

if(m==7)

{

m=1;

break;

}

j++;

}

cout<<endl;

out<<endl<<endl;

k++;

}

}

}

out.close();

getch();

}

int mig :: migration ()

{

int i,j,l,m,x=0,y=0;

int n=32+count;

cout<<"\nEnter the position: ";

cin>>i;

if(n<z) //1st if.

{

count++;

for(j=0;j<n;j++) //1st for loop.

{

if (pos[j]==i) //2nd if.

{

y++;

pos[j]=0;

while(j<n)

{

if(x==0) //3rd if.

{

if (strcmp(all[j],"CSE")==0)

{

a--;

m=1;

}

if (strcmp(all[j],"EEE")==0)

{

b--;

m=2;

}

if (strcmp(all[j],"ECE")==0)

{

c--;

m=3;

}

if (strcmp(all[j],"CE")==0)

{

d--;

m=4;

}

if (strcmp(all[j],"ME")==0)

{

e--;

m=5;

}

if (strcmp(all[j],"IEM")==0)

{

f--;

m=6;

}

} //end of 3rd if.

next: j++;

if (pos[j]==0)

goto next;

x=1;

for(l=0;l<dep\_pos[j];l++) //2nd for loop.

{

if(choice[j][l]==m)

{

if (m==1)

{

strcpy(new\_dep[j],"CSE");

a++;

x=0;

}

if (m==2)

{

strcpy(new\_dep[j],"EEE");

b++;

x=0;

}

if (m==3)

{

strcpy(new\_dep[j],"ECE");

c++;

x=0;

}

if (m==4)

{

strcpy(new\_dep[j],"CE");

d++;

x=0;

}

if (m==5)

{

strcpy(new\_dep[j],"ME");

e++;

x=0;

}

if (m==6)

{

strcpy(new\_dep[j],"IEM");

f++;

x=0;

}

break;

}

} //end of 2nd for loop.

} //end of while.

break;

} //end of 2nd if.

} //end of 1st for loop.

if (y!=0)

return j;

else

{

count--;

cout<<"\n\nInvalid roll no....\a\a";

getch();

return 0;

}

} //end of 1st if.

else

{

cout<<"No student left...!!!!\a";

getch();

return 0;

}

} //end of migration.

void mig :: new\_dept(int i)

{

int j=0;

srch:if(choice[i][j]==1)

{

if (a<4)

{

dep\_pos[i]=j;

strcpy(all[i],"...");

strcpy(new\_dep[i],"CSE");

a++;

j=0;

}

else

{

j++;

goto srch;

}

}

else if(choice[i][j]==2)

{

if (b<8)

{

dep\_pos[i]=j;

strcpy(all[i],"...");

strcpy(new\_dep[i],"EEE");

b++;

j=0;

}

else

{

j++;

goto srch;

}

}

else if(choice[i][j]==3)

{

if (c<2)

{

dep\_pos[i]=j;

strcpy(all[i],"...");

strcpy(new\_dep[i],"ECE");

c++;

j=0;

}

else

{

j++;

goto srch;

}

}

else if(choice[i][j]==4)

{

if (d<8)

{

dep\_pos[i]=j;

strcpy(all[i],"...");

strcpy(new\_dep[i],"CE");

d++;

j=0;

}

else

{

j++;

goto srch;

}

}

else if(choice[i][j]==5)

{

if (e<8)

{

dep\_pos[i]=j;

strcpy(all[i],"...");

strcpy(new\_dep[i],"ME");

e++;

j=0;

}

else

{

j++;

goto srch;

}

}

else if(choice[i][j]==6)

{

if (f<2)

{

dep\_pos[i]=j;

strcpy(all[i],"...");

strcpy(new\_dep[i],"IEM");

f++;

j=0;

}

else

{

j++;

goto srch;

}

}

see\_list();

}

int main ()

{

int i,j=0;

details d;

mig kuet;

textcolor(114);

textbackground(4);

highvideo();

clrscr();

while(1)

{

cout<<"What do you want to do?"<<endl;

cout<<"\n1:Make the merit list.";

cout<<"\n2:See list.";

cout<<"\n3:Migration.";

cout<<"\n4.Add new student.";

cout<<"\n5.See a student details.";

cout<<"\n6:Exit."<<endl<<endl;

cout<<"\nChose a no.:";

cin>>i;

switch(i)

{

case 1:

{

if (j!=0)

{

cout<<"Merite list is already been made.";

getch();

}

else

{

kuet.merite\_list();

kuet.old\_dept();

j++;

}

break;

}

case 2:

{

if(j==0)

{

cout<<"\n\n First make a merite list...";

getch();

}

else

kuet.see\_list();

break;

}

case 3:

{

if(j==0)

{

cout<<"\n\n First make a merite list...";

getch();

}

else

kuet.new\_dept(kuet.migration());

break;

}

case 4:

{

if(j==0)

{

cout<<"\n\n First make a merite list...";

getch();

}

else

d.get(kuet.add());

break;

}

case 5:

{

d.show(kuet.srch());

break;

}

case 6:

{

cout<<"Thank you....";

break;

}

}

if(i==6)

break;

clrscr();

}

getch();

return 0;

}

////////////////////////////////////////////////////////////////////////////

You must include file "M.text",You can include data in this file "M.text" like below,

Faisal 4 2021 2 1 4 5 3 6

Shamim 8 1214 1 3 2 4 5 6

Faiz 9 1345 5 1 3 4 2 6

Liton 38 3974 2 1 4 3 5 6

Asiq 32 3546 2 4 1 3 5 6

........................................................................

........................................................................

You need more file(Faisal.txt,Shamim.txt,Faiz.txt,Liton.txt,Asiq.txt) you have to input data in these file like as,

Faisal.txt data :

Fathar name : Mahiuddin Ahmad

Mothar name : Shaheen Ara Nasrin

Village : Vadhughar

School name : Motijhil Govt. High School

College name : NOtredame College

Shamim.txt data :

Father name : rtg dsd sdfj sjdf eww

Mother name : fdgd fhh khd klf

Village : fggggfgdfgd

School name : Shamim Ali Govt. High School

College name : dsfdfe College

Faiz.txt data :

Fathar name : rteww

Mothar name : fdgdfhh

Village : fggggfgdfgd

School name : Hasan Ali Govt. High School

College name : dsfdfe College

Liton.txt Data :

Father name : rtgdsd sdfj sjdf eww

Mother name : fdgd fhh khd klf

Village : fggggfgdfgd

School name : Hasan Ali Govt. High School

College name : dsfdfe College

Asiq.txt Data :

Fathar name : fdg

Mothar name : fdg

Village : fgggg

School name : Hasan Ali Govt. High School

College name : Notredame College

.............................................................................

............................................................................ You can give more like that.