**STUDENT-RECORD-MANAGEMENT: CODE IN CPP**

#include<iostream>

using namespace std;

string roll\_no[30],name[30],Class[30],course[30],mobile\_no[30],admission\_year[30];

//arrays for storing students data.

int total=0; //to store all data

void enter()

{

int ch=0;

cout<<"How many students do u want to enter??"<<endl;

cin>>ch;

if(total==0)

{

total=ch+total;

for(int i=0;i<ch;i++)

{

cout<<"\nEnter the Data of student "<<i+1<<endl<<endl;

cout<<"Enter Roll NO:: "<<endl;

cin>>roll\_no[i];

cout<<"Enter Name: "<<endl;

cin>>name[i];

cout<<"Enter Class: "<<endl;

cin>>Class[i];

cout<<"Enter Course: "<<endl;

cin>>course[i];

cout<<"Enter Mobile NO: "<<endl;

cin>>mobile\_no[i];

cout<<"Enter Admission Year: "<<endl;

cin>>admission\_year[i];

}

}

else

{

for(int i=total;i<ch+total;i++)

//to store onward students data rather than storing double data()

{

cout<<"\nEnter the Data of student "<<i+1<<endl<<endl;

cout<<"Enter Roll NO ";

cin>>roll\_no[i];

cout<<"Enter Name: ";

cin>>name[i];

cout<<"Enter Class: ";

cin>>Class[i];

cout<<"Enter Course: ";

cin>>course[i];

cout<<"Enter Mobile NO: ";

cin>>mobile\_no[i];

cout<<"Enter Admission Year: ";

cin>>admission\_year[i];

}

total=ch+total; //making choice

}

}

void show()

{

if(total==0)

{

cout<<"No Data is Entered"<<endl;

}

else

{

for(int i=0;i<total;i++)

{

cout<<"\nData of Student "<<i+1<<endl<<endl;

cout<<"Roll NO: "<<roll\_no[i]<<endl;

cout<<"Name: "<<name[i]<<endl;

cout<<"Class: "<<Class[i]<<endl;

cout<<"Course: "<<course[i]<<endl;

cout<<"Mobile NO: "<<mobile\_no[i]<<endl;

cout<<"Admission Year: "<<admission\_year[i]<<endl;

}

}

}

void search()

{

if(total==0)

{

cout<<"No data is entered"<<endl;

}

else

{

string rollno;

cout<<"Enter the roll no of student"<<endl;

cin>>rollno;

for(int i=0;i<total;i++)

{

if(rollno==roll\_no[i])

{

cout<<"Roll NO: "<<roll\_no[i]<<endl;

cout<<"Name: "<<name[i]<<endl;

cout<<"Class: "<<Class[i]<<endl;

cout<<"Course: "<<course[i]<<endl;

cout<<"Mobile NO: "<<mobile\_no[i]<<endl;

cout<<"Admission Year: "<<admission\_year[i]<<endl;

}

}

}

}

void update()

{

if(total==0)

{

cout<<"No data is entered"<<endl;

}

else{

string rollno;

cout<<"Enter the roll no of student which you want to update"<<endl;

cin>>rollno;

for(int i=0;i<total;i++)

{

if(rollno==roll\_no[i])

{

cout<<"\nPrevious data"<<endl<<endl;

cout<<"Data of Student "<<i+1<<endl;

cout<<"Roll NO: "<<roll\_no[i]<<endl;

cout<<"Name: "<<name[i]<<endl;

cout<<"Class: "<<Class[i]<<endl;

cout<<"Course: "<<course[i]<<endl;

cout<<"Mobile NO: "<<mobile\_no[i]<<endl;

cout<<"Admission Year: "<<admission\_year[i]<<endl;

cout<<"\nEnter new data"<<endl<<endl;

cout<<"Enter Roll NO ";

cin>>roll\_no[i];

cout<<"Enter Name: ";

cin>>name[i];

cout<<"Enter Class: ";

cin>>Class[i];

cout<<"Enter Course: ";

cin>>course[i];

cout<<"Enter Mobile NO: ";

cin>>mobile\_no[i];

cout<<"Enter Admission Year: ";

cin>>admission\_year[i];

}

}

}

}

void Delete()

{

if(total==0)

{

cout<<"No data is entered yet"<<endl;

}

else

{

int a;

cout<<"Are you Sure to Delete Data?"<<endl;

cout<<"Press 1 to delete all record"<<endl;

cin>>a;

if(a==1)

{

total=0;

cout<<"All record is deleted..!!"<<endl;

}

else

{

cout<<"Please Press 1 to Delete All Record"<<endl;

}

}

}

int main() //main function, execution of program starts from here

{

int value;

while(true) //always in Loop

{

cout<<"\nPress 1 to Enter data"<<endl<<endl;

cout<<"Press 2 to Show data"<<endl<<endl;

cout<<"Press 3 to Search data"<<endl<<endl;

cout<<"Press 4 to Update data"<<endl<<endl;

cout<<"Press 5 to Delete data"<<endl<<endl;

cout<<"Press 6 to Quit"<<endl<<endl;

cin>>value;

switch(value)

{

case 1:

enter();

break;

case 2:

show();

break;

case 3:

search();

break;

case 4:

update();

break;

case 5:

Delete();

break;

case 6:

exit(0);

break;

default:

cout<<"Invalid input"<<endl;

break;

}

}

}