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#include<iostream>
using namespace std;
string roll_no[30],name[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 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 Course: ";
cin>>course[i];
cout<<"Enter Mobile NO: ";
cin>>mobile_no[i];
cout<<"Enter Admission Year: ";
cin>>admission_year[i];
}
}
}
}

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}
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<<"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<<"Course "<<course[i]<<endl;
cout<<"Mobile NO "<<mobile_no[i]<<endl;
cout<<"Admission Year "<<admission_year[i]<<endl;
}
}
}
}

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}
}
}
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<<"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 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;

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}
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;

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case 5:  
Delete();  
break;  
case 6:  
exit(0);  
break;  
default:  
cout<<"Invalid input"<<endl;  
break;  
}  
}  
}
```