```cpp
#include<bits/stdc++.h>

using namespace std;

string arr1[20],arr2[20],arr3[20],arr4[20],arr5[20];

int total=0;

void enter()

{

        int choice;

        cout<<"how many students do you want to enter:";

        cin>>choice;

        if(total==0){

        total=total+choice;

        for(int i=0;i<choice;i++){

                cout<<"enter data of student:"<<i+1<<endl<<endl;

                cout<<"enter name:";

                cin>>arr1[i];

                cout<<"enter rollno:";

                cin>>arr2[i];

                cout<<"enter course:";

                cin>>arr3[i];

                cout<<"enter class:";

                cin>>arr4[i];

                cout<<"enter contact:";

                cin>>arr5[i];


        }
        }


        else{

                for(int i=total;i<total+choice;i++){

                cout<<"enter data of student:"<<i+1<<endl<<endl;

                cout<<"enter name:";
```

```cpp
                cin>>arr1[i];

                cout<<"enter rollno:";

                cin>>arr2[i];

                cout<<"enter course:";

                cin>>arr3[i];

                cout<<"enter class:";

                cin>>arr4[i];

                cout<<"enter contact:";

                cin>>arr5[i];


        }

        total=total+choice;

        }

}

void show()

{

        if(total==0){

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

        }

        else{


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

                cout<<"data of student:"<<i+1<<endl<<endl;

                cout<<"name:"<<arr1[i]<<endl;

                cout<<"rollno:"<<arr2[i]<<endl;

                cout<<"coure:"<<arr3[i]<<endl;

                cout<<"class:"<<arr4[i]<<endl;

                cout<<"contact"<<arr5[i]<<endl;

        }

}

}
```

```cpp
void search()
{
	if(total==0){
		cout<<"no data is entered "<<endl;
	}
	else{
	string rollno;
	cout<<"Enter rollno of student which you want to search:";
	cin>>rollno;
	for(int i=0;i<total;i++){
		if(rollno==arr2[i]){
			cout<<"data of student:"<<i+1<<endl<<endl;
	cout<<"name:"<<arr1[i]<<endl;
	cout<<"rollno:"<<arr2[i]<<endl;
	cout<<"coure:"<<arr3[i]<<endl;
	cout<<"class:"<<arr4[i]<<endl;
	cout<<"contact"<<arr5[i]<<endl;
		}
	}
}
	}


void update()
{
	if(total==0){
		cout<<"no data is entered "<<endl;
	}
	else{
string rollno;
	cout<<"Enter rollno of student which you want to search:";
	cin>>rollno;
```

```cpp
            for(int i=0;i<total;i++){
                if(rollno==arr2[i]){
                        cout<<"previous data"<<endl<<endl;
                        cout<<"data of student:"<<i+1<<endl<<endl;
                cout<<"name:"<<arr1[i]<<endl;
                cout<<"rollno:"<<arr2[i]<<endl;
                cout<<"coure:"<<arr3[i]<<endl;
                cout<<"class:"<<arr4[i]<<endl;
                cout<<"contact"<<arr5[i]<<endl;
                cout<<"\nEnter new data"<<endl;
                cout<<"\nEnter name:";
                cin>>arr1[i];
                cout<<"enter rollno:";
                cin>>arr2[i];
                cout<<"enter course:";
                cin>>arr3[i];
                cout<<"enter class:";
                cin>>arr4[i];
                cout<<"enter contact:";
                cin>>arr5[i];
            }
        }
    }
}
void deleterecord()
{
        if(total==0){
                cout<<"no data is entered "<<endl;
        }
        else{
int a;
```

```cpp
cout<<"press 1 to delete full record"<<endl;

cout<<"press 2 to delete specific record"<<endl;

cin>>a;

if(a==1){

        total=0;

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

}

else if (a==2)

{

        string rollno;

        cout<<"enter rollno which you want to delete"<<endl;

        cin>>rollno;

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

                if(rollno==arr2[i]){

                        for(int j=i;j<total;j++){

                                arr1[j]=arr1[j+1];

                                arr2[j]=arr2[j+1];

                                arr3[j]=arr3[j+1];

                                arr4[j]=arr4[j+1];

                                arr5[i]=arr5[j+1];

                        }

                        total--;

                        cout<<"your required record is deleted"<<endl;

                }

        }

}

}

}

main(){

        int value;

        while(true){
```

```cpp
cout<<"Press 1 to enter data"<<endl;

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

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

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

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

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

cin>>value;

switch(value)

{

        case 1:

                enter();

                break;

                case 2:

                show();

                break;

                case 3:

                search();

                break;

                case 4:

                update();

                break;

                case 5:

                deleterecord();

                break;

                case 6:

                exit(0);

                break;

                default:

                cout<<"Invalid input"<<endl;
```

```
                        break;
                    }
        }
        }
```