```
#include<iostream>
using namespace std;
struct student
int Rollno;
char name[20];
float per;
};
 void create(student [],int);
 void display(student [],int);
 void bubblesort(student[],int);
 int linear_search(student[],int,int);
void create( student s[20],int n)
  int i;
 cout<<"\n Enter the details of Students";
 cout<<"\n Rollno"<<"\t"<<"Name"<<"\t"<<"per";
 for(i=0;i< n;i++)
  cin>>s[i].Rollno>>s[i].name>>s[i].per;
 void display(student s[20],int n)
 int i;
 cout<<"\n Details of Students\n";
 for(i=0;i< n;i++)
  cout<<s[i].Rollno<<"\t"<<s[i].name<<"\t"<<s[i].per<<"\n";
 void bubblesort(student s[20],int n)
  int i,j;
   student temp;
  for(i=0;i< n;i++)
   for(j=0;j<n-i-1;j++)
       if(s[j].Rollno> s[j+1].Rollno)
        temp=s[j];
        s[j]=s[j+1];
        s[j+1]=temp;
    }
 int linear_search(student s[20],int n,int rno)
 {
    int i;
    for(i=0;i< n;i++)
     if(s[i].Rollno==rno)
```

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break;
    }
return i;
}
int main()
 struct student s[20];
 int n, ch ,ch1,i,rno;
 do
 cout<<"\n 1. Create Database";
 cout<<"\n 2.Bubblesort";
 cout<<"\n 3.Linear Search";
 cout<<"\n Enter the choice";
 cin>>ch;
 switch(ch)
  case 1:
   cout<<"\n Enter the number of Records";
   cin>>n;
   create(s,n);
   display(s,n);
  break;
  case 2:
    bubblesort(s,n);
   display(s,n);
  break;
  case 3:
   cout<<"\n Enter the rollnumber you want to search";
   cin>>rno;
   i=linear_search(s,n,rno);
    cout<<"\n Element found at location "<<i+1;
  break;
 }
 }while(ch1!=4);
 return 0;
 }
OUTPUT
1. Create Database
2.Bubblesort
3.Linear Search
Enter the choice1
Enter the number of Records2
Enter the details of Students
Rollno Name per3
om
76
5
vijay
56
Details of Students
```

- 3 om 76 5 vijay 56
- 1. Create Database
- 2.Bubblesort
- 3.Linear Search

Enter the choice2

Details of Students

- 3 om
- 5 vijay 56
- 1. Create Database
- 2.Bubblesort
- 3.Linear Search

Enter the choice3

Enter the rollnumber you want to search3

Element found at location 1

76

- 1. Create Database
- 2.Bubblesort
- 3.Linear Search

Enter the choice