

```

#include<iostream.h>
#include<conio.h>
#include<string.h>
class city
{
int pop,c_code;
char c_name[10],c[10];
public:
    void accept()
    {
        cout<<"\n Enter City Name : ";
        cin>>c_name;
        cout<<"\n Enter City code : ";
        cin>>c_code;
        cout<<"\n Enter Population : ";
        cin>>pop;
    }
    void display()
    {
        cout<<"\n City Name : "<<c_name;
        cout<<"\n City code : "<<c_code;
        cout<<"\n Populati    on : "<<pop;
    }
    void sort(city &ob1,city &ob2)
    {
        city ob3;
        if(ob1.pop>ob2.pop)
        {
            ob3=ob1;
            ob1=ob2;
            ob2=ob3;
        }
    }
    void search(char c[])
    {
        if(strcmp(c_name,c)==0)
        {
            cout<<"\n City Name : "<<c_name;
            cout<<"\n Population : "<<pop;
        }
    }
};

void main()
{
    clrscr();
    city ob[10];
    int i,j,n;
    char c[10];
    cout<<"\n Enter no.of records : ";
    cin>>n;
    for(i=0;i<n;i++)
    {

```

```
ob[i].accept();
}
cout<<"\n Records are : ";
for(i=0;i<n;i++)
{
    ob[i].display();
}
cout<<"\n Sorted records ";
for(i=0;i<n;i++)
{
    for(j=i+1;j<n;j++)
    {
        ob[i].sort(ob[i],ob[j]);
    }
    ob[i].display();
}
cout<<"\n Enter the city name to be searched : ";
cin>>c;
for(i=0;i<n;i++)
{
    ob[i].search(c);
}
getch();
}
```