

```

1
2
3 #include<stdio.h>
4 #include<stdlib.h>
5 #include<string.h>
6 struct car_rent
7 {
8     char car_name[25];
9     char location[100];
10    int prize;
11    int time;
12    int km;
13 }
14 *car_db;
15 void create();
16 void display();
17 void search();
18 void sort();
19 int n;
20 int choise;
21 void main()
22 {
23     int ch;
24     car_db=(struct car_rent*)malloc(sizeof(struct car_rent)*100);
25     while(1){
26         printf("Enter your choise");
27         printf("1.create data\t 2.display data\t 3.search data\t 4.sort\n");
28         scanf("%d",&ch);
29
30         switch(ch)
31         {
32             case 1: create();
33             break;
34             case 2: display();
35             break;
36             case 3: search();
37             break;
38             case 4: sort();
39             break;
40         }
41     }
42 }
43
44 void create()
45 {
46     printf("How many car you wanna rent\n");
47     scanf("%d",&n);
48     for(int i=0;i<n;i++)
49     {
50
51         printf("Name the car you wanna rent\n");
52         scanf("%s",car_db[i].car_name);
53         printf("Your location\n");
54         scanf("%s",car_db[i].location);
55         printf("enter car prize:\n");
56         scanf("%d",&car_db[i].prize);
57         printf("Time duration:\n");
58         scanf("%d",&car_db[i].time);
59         printf("Enter distance u wanna travel:\n");
60         scanf("%d",&car_db[i].km);
61     }
62 }
63
64 void display()
65 {
66     for(int i=0;i<n;i++)
67     {
68
69         printf("car you wanna rent :: %s\n",car_db[i].car_name);
70         printf("Your location :: %s\n",car_db[i].location);
71         printf("car prize: :: %d\n",car_db[i].prize);
72         printf("Time duration :: %d\n",car_db[i].time);
73         printf("distance u wanna travel :: %d\n", car_db[i].km);
74     }
75 }
76 void search()
77 {
78     int key;
79     int flag = 0;
80
81     printf("Enter ID name you want to search: ");
82     scanf("%s", key);
83     for(int i = 0; i < n; i++)
84     {

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85     if(car_db[i].car_name == key)
86     {
87         printf("Match found!");
88         printf("\n Car name %s",car_db[i].car_name);
89         printf("\n location %s",car_db[i].location);
90         printf("\n car prize %d",car_db[i].prize);
91         printf("\n Time duration %d",car_db[i].time);
92         printf("Distance travelled %d",car_db[i].km);
93         flag=1;
94     }
95 }
96 if(flag == 1)
97 {
98     printf("Match found\n");
99 }else
100     printf("Not match !\n");
101
102 }
103 void sort()
104 {
105     {
106         int j,i,temp;
107         for(i=0;i<n;i++)
108         {
109             printf("\n %d",car_db[i].prize);
110         }
111         for(i=0;i<n;i++)
112         {
113             for(j=i+1;j<n;j++)
114
115                 if(car_db[i].prize>car_db[j].prize)
116                 {
117                     temp=car_db[i];
118                     car_db[i]=car_db[j];
119                     car_db[j]=temp;
120                 }
121             }
122         }
123         printf("\n\nsorted Serial");
124         for(i=0;i<n;i++)
125         {
126             printf("\n  %d",car_db[i].prize);
127         }
128     }
129 }
130 }
131
132 /*
133 OUTPUT
134 Enter your choise 1.create data          2.display  data          3.search          4.sort
135 How many car you wanna rent
136 1
137 Name the car you wanna rent
138 W
139 Your location
140 PUNE
141 enter car prize:
142 2000
143 Time duration:
144 24
145 Enter distance u wanna travel:
146 30
147 Enter your choise 1.create data          2.display  data          3.search  2
148 car you wanna rent :: W
149 Your location :: PUNE
150 car prize: :: 2000
151 Time duration :: 24
152 distance u wanna travel :: 30
153 Enter your choise 1.create data          2.display  data          3.search  3
154 Enter ID name you want to search: 1
155 MATCH FOUND
156 Enter prize to sort
157 2000
158 Time duration::24
159 Distance u wanna travel :: 30
160 Car prize :: 2000
161 */
162
163
164

```