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1: #include<stdio.h>
2: #include<string.h>
3: typedef struct Student
4: {
5:     int fbid;
6:     int fbbatchid;
7:     char sname[100];
8:     float distance;
9:
10:
11: }Student;
12:
13: typedef struct PlacedStudent
14: {
15:     int companyid;
16:     char companyname[100];
17:     char companydesignation[100];
18:     Student s1,ps;
19:
20:
21: }PlacedStudent;
22:
23:
24: void main()
25: {
26:
27:     PlacedStudent s;
28:
29:     //student hardcoded
30:
31:     s.s1.fbid=2;
32:     s.s1.fbbatchid=123;
33:     strcpy(s.s1.sname,"Robbin");
34:     s.s1.distance=512.2;
35:
36:     s.ps.fbid=11;
37:     s.ps.fbbatchid=111;
38:     s.ps.distance=502.2;
39:     strcpy(s.ps.sname,"Ram");
40:     s.companyid=121;
41:     strcpy(s.companyname,"TCS");
42:     strcpy(s.companydesignation,"Software Engineer");
43:
44:
45:     printf("\nHard Coded Data of FirstBit Student:");

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46:
printf("\n
47:     printf("\nStudent Details");
48:
printf("\n
49:     printf("\nStudent id           :%d",s.s1.fbid);
50:     printf("\nStudent Batch id      :%d",s.s1.fbbatchid);
51:     printf("\nStudent Name          :%s",s.s1.sname);
52:     printf("\nDistance Travelled      :%.2f km",s.s1.distance);
53:
54:     printf("\nPlaced Student Details");
55:
printf("\n
56:     fflush(stdin);
57:     printf("\nStudent Id             :%d",s.ps.fbid);
58:     fflush(stdin);
59:     printf("\nStudent Batch Id          :%d",s.ps.fbbatchid);
60:     fflush(stdin);
61:     printf("\nStudent Name              :%s",s.ps.sname);
62:     fflush(stdin);
63:     printf("\nDistance Travelled          :%.2f km",s.ps.distance);
64:     fflush(stdin);
65:     printf("\nCompany Id                 :%d",s.companyid);
66:     fflush(stdin);
67:     printf("\ncompany Name                :%s",s.companyname);
68:     fflush(stdin);
69:     printf("\nDesignation                 :%s",s.companydesignation);
70:     fflush(stdin);
71:
72:     //student from user
73:
printf("\n
74:     printf("\n*****FirstBit Karwa 2023*****");
75:
printf("\n
76:     printf("\nHey Answer below Question to Enter data Manually");
77:
printf("\n
78:     printf("\nStudent id                       :");
79:     scanf("%d",&s.s1.fbid);
80:     printf("\nStudent Batchid                   :");
81:     scanf("%d",&s.s1.fbbatchid);
82:     fflush(stdin);
83:     printf("\nStudent Name                     :");
84:     scanf("%[^\n]s",&s.s1.sname);
85:     fflush(stdin);

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86:     printf("\nStudent Distance Travelled    :");
87:     gets(&s.s1.distance);
88:
89:
90:     printf("\n
91:     printf("\n***\t\tPlaced Student Section\t\t*** ");
92:     printf("\n
93:     printf("\nHey Answer below Question to Enter data Manually");
94:     printf("\nStudent id                      :");
95:     scanf("%d",&s.ps.fbid);
96:     printf("\nStudent Batchid                :");
97:     scanf("%d",&s.ps.fbbatchid);
98:     fflush(stdin);
99:     printf("\nStudent Name                    :");
100:    scanf("%[^\\n]s",&s.ps.sname);
101:    fflush(stdin);
102:    printf("\nStudent Distance Travelled    :");
103:    gets(&s.ps.distance);
104:
105:    printf("\nStudent Company id                :");
106:    scanf("%d",&s.companyid);
107:    fflush(stdin);
108:    printf("\n\nStudent Company Name            :");
109:    scanf("%[^\\n]s",&s.companyname);
110:    fflush(stdin);
111:    printf("\nStudent Name                        :");
112:    scanf("%[^\\n]s",&s.companydesignation);
113:    fflush(stdin);
114:
115:
116:    printf("\nYour Entered Data for FirstBit Student:");
117:
118:    printf("\nStudent Details");
119:
120:    printf("\nStudent id                      :%d",s.s1.fbid);
121:    printf("\nStudent Batchid                :%d",s.s1.fbbatchid);
122:    printf("\nStudent Name                    : %s",s.s1.sname);
123:    printf("\nDistance Travelled By Student :%.2f km",
124:    s.s1.distance);
125:
126:    printf("\n

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125:     printf("\nPlaced Student Details");
126:
127:     printf("\nStudent id                :%d",s.ps.fbid);
128:     printf("\nStudent Batchid          :%d",s.ps.fbbatchid);
129:     printf("\nStudent Name              : %s",s.ps.sname);
130:     printf("\nDistance Travelled By Student :%.2f km",
131:     s.s1.distance);
132:
133:     printf("\nStudent Company Details");
134:     printf("\nStudent Company id          :%d",s.companyid);
135:     printf("\nStudent Company Name          :%s",s.companyname);
136:     printf("\nStudent Company Designation :%s",
137:     s.companydesignation);
138:
139: }
```

```

1: #include<stdio.h>
2: #include<string.h>
3: typedef struct Employee
4: {
5:     int eid;
6:     char edesignation[100];
7:     char ename[100];
8:
9:
10: }Employee;
11:
12: typedef struct Sector
13: {
14:     char sectorname[100];
15:     char companyname[100];
16:     Employee e1,s1;
17:
18:
19:
20: }Sector;
21:
22: void main()
23: {
24:     //store//
25:
26:     Sector s;
27:     printf("\nHey Answer below Question to Enter data Manually");
28:
29:     printf("\nEmployee id :");
30:     scanf("%d",&s.e1.eid);
31:     fflush(stdin);
32:     printf("\nEmployee Name :");
33:     scanf("%[^\\n]s",&s.e1.ename);
34:     fflush(stdin);
35:     printf("\nEmployee Designation :");
36:     scanf("%[^\\n]s",&s.e1.edesignation);
37:     fflush(stdin);
38:
39:     printf("\nEmployee id :");
40:     scanf("%d",&s.s1.eid);
41:     fflush(stdin);
42:     printf("\nEmployee Name :");
43:     scanf("%[^\\n]s",&s.s1.ename);
44:     fflush(stdin);

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45:     printf("\nEmployee Designation      :");
46:     scanf("%[^\\n]s",&s.s1.edesignation);
47:     fflush(stdin);
48:     printf("\nEmployee Sector      :");
49:     scanf("%[^\\n]s",&s.sectorname);
50:     fflush(stdin);
51:     printf("\nEmployee Company Name      :");
52:     scanf("%[^\\n]s",&s.companyname);
53:     fflush(stdin);
54:
55:
56:
57: //display//
58:
59:
printf("
60:     printf("\nYour Entered Data for Employess:");
61:
printf("\n
62:     printf("\nEmployee id      :%d",s.e1.eid);
63:     printf("\nEmployee Name      :%s",s.e1.ename);
64:     printf("\nEmployee Desgination      :%s",s.e1.edesignation);
65:
printf("\n
66:     printf("\nEmployee id      :%d",s.s1.eid);
67:     printf("\nEmployee Name      :%s",s.s1.ename);
68:     printf("\nEmployee Desgination      :%s",s.s1.edesignation);
69:     printf("\nEmployee Company Sector      :%s",s.sectorname);
70:     printf("\nEmployee Company Name      :%s",s.companyname);
71:
72:
73: }

```

```

1: #include<stdio.h>
2: #include<string.h>
3: typedef struct Minister
4: {
5:     int age;
6:     char mname[100];
7:     char state[100];
8:
9:
10: }Minister;
11:
12: typedef struct Sector
13: {
14:     char sectorname[100];
15:     char partyname[100];
16:     Minister m1,s1;
17:
18:
19: }Sector;
20:
21:
22: void main()
23: {
24:     //store//
25:
26:     Sector s;
27:     printf("\nHey Answer below Question to Enter data Manually");
28:
29:     printf("\nMinister Age      :");
30:     scanf("%d",&s.m1.age);
31:     fflush(stdin);
32:     printf("\nMinister Name      :");
33:     scanf("%[^\\n]s",&s.m1.mname);
34:     fflush(stdin);
35:     printf("\nMinister state      :");
36:     scanf("%[^\\n]s",&s.m1.state);
37:     fflush(stdin);
38:
39:     printf("\nMinister Age      :");
40:     scanf("%d",&s.s1.age);
41:     fflush(stdin);
42:     printf("\nMinister Name      :");
43:     scanf("%[^\\n]s",&s.s1.mname);
44:     fflush(stdin);

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45:     printf("\nMinister state          :");
46:     scanf("%[^\\n]s",&s.s1.state);
47:     fflush(stdin);
48:     printf("\nMinistry Sector          :");
49:     scanf("%[^\\n]s",&s.sectorname);
50:     fflush(stdin);
51:     printf("\nMinister Party Name          :");
52:     scanf("%[^\\n]s",&s.partyname);
53:     fflush(stdin);
54:
55:
56:
57: //display//
58:
59:
printf("
60:     printf("\nYour Entered Data for Minister:");
61:
printf("\n
62:     printf("\nMinister Age          :%d",s.m1.age);
63:     printf("\nMinister Name          :%s",s.m1.mname);
64:     printf("\nMinister State          :%s",s.m1.state);
65:
printf("\n
66:     printf("\nMinister Age          :%d",s.s1.age);
67:     printf("\nMinister Name          :%s",s.s1.mname);
68:     printf("\nMinister State          :%s",s.s1.state);
69:     printf("\nMinistry Sector          :%s",s.sectorname);
70:     printf("\nMinister Party Name          :%s",s.partyname);
71:
72:
73: }

```



```

1: #include<stdio.h>
2: #include<string.h>
3: typedef struct Bags
4: {
5:     int price;
6:     char colour[100];
7:     char brand[100];
8:
9:
10: }Bags;
11:
12: typedef struct Quality
13: {
14:     char type[100];
15:     char quality[100];
16:     Bags b,q1;
17:
18: }Quality;
19:
20:
21: void main()
22: {
23:     //store//
24:
25:     Quality q;
26:     printf("\nHey Answer below Question to Enter data Manually");
27:
28:     printf("\n
29:     printf("\nPrice of Bag      :");
30:     scanf("%d",&q.b.price);
31:     fflush(stdin);
32:     printf("\nBrand Name      :");
33:     scanf("%[^\\n]s",&q.b.brand);
34:     fflush(stdin);
35:     printf("\nColour      :");
36:     scanf("%[^\\n]s",&q.b.colour);
37:     fflush(stdin);
38:
39:     printf("\n
40:     printf("\nPrice of Bag      :");
41:     scanf("%d",&q.q1.price);
42:     fflush(stdin);
43:     printf("\nBrand Name      :");
44:     scanf("%[^\\n]s",&q.q1.brand);
45:     fflush(stdin);
46:     printf("\nColour      :");

```

```
45:     scanf("%[^\n]s",&q.q1.colour);
46:     fflush(stdin);
47:
48:     printf("\nBags quality      :");
49:     scanf("%[^\n]s",&q.quality);
50:     fflush(stdin);
51:     printf("\nBag type          :");
52:     scanf("%[^\n]s",&q.type);
53:     fflush(stdin);
54:
55:
56:
57: //display//
58:
59:
printf("
60:     printf("\nYour Entered Data for Bags:");
61:
printf("\n
62:     printf("\nPrice          :%d",q.b.price);
63:     printf("\nBrand           :%s",q.b.brand);
64:     printf("\nColour            :%s",q.b.colour);
65:
printf("\n
66:     printf("\nPrice          :%d",q.q1.price);
67:     printf("\nBrand           :%s",q.q1.brand);
68:     printf("\nColour            :%s",q.q1.colour);
69:     printf("\nQuality          :%s",q.quality);
70:     printf("\nType            :%s",q.type);
71:
72:
73: }
```

```

1: #include<stdio.h>
2: #include<string.h>
3: typedef struct Watch
4: {
5:     int price;
6:     char colour[100];
7:     char brand[100];
8:
9:
10: }Watch;
11:
12: typedef struct Quality
13: {
14:     char type[100];
15:     char quality[100];
16:     Watch w,q1;
17:
18: }Quality;
19:
20:
21: void main()
22: {
23:     //store//
24:
25:     Quality q;
26:     printf("\nHey Answer below Question to Enter data Manually");
27:
28:     printf("\n
29:     printf("\nPrice of Watch      :");
30:     scanf("%d",&q.w.price);
31:     fflush(stdin);
32:     printf("\nBrand Name          :");
33:     scanf("%[^\\n]s",&q.w.brand);
34:     fflush(stdin);
35:     printf("\nColour                :");
36:     scanf("%[^\\n]s",&q.w.colour);
37:     fflush(stdin);
38:
39:     printf("\n
40:     printf("\nPrice of Watch      :");
41:     scanf("%d",&q.q1.price);
42:     fflush(stdin);
43:     printf("\nBrand Name          :");
44:     scanf("%[^\\n]s",&q.q1.brand);
45:     fflush(stdin);
46:     printf("\nColour                :");

```

```
45:     scanf("%[^\\n]s",&q.q1.colour);
46:     fflush(stdin);
47:
48:     printf("\\nWatch quality      :");
49:     scanf("%[^\\n]s",&q.quality);
50:     fflush(stdin);
51:     printf("\\nWatch type          :");
52:     scanf("%[^\\n]s",&q.type);
53:     fflush(stdin);
54:
55:
56:
57: //display//
58:
59:
printf("
60:     printf("\\nYour Entered Data for Watch:");
61:
printf("\\n
62:     printf("\\nPrice          :%d",q.w.price);
63:     printf("\\nBrand           :%s",q.w.brand);
64:     printf("\\nColour            :%s",q.w.colour);
65:
printf("\\n
66:     printf("\\nPrice          :%d",q.q1.price);
67:     printf("\\nBrand           :%s",q.q1.brand);
68:     printf("\\nColour            :%s",q.q1.colour);
69:     printf("\\nQuality           :%s",q.quality);
70:     printf("\\nType             :%s",q.type);
71:
72: }
```