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1  #include <stdio.h>
2
3  #define NAME_LENGTH 100
4  #define MARITAL_STATUS 10
5
6  struct Employee
7  {
8      char name[NAME_LENGTH];
9      int age;
10     float salary;
11     char sex;
12     char marital_status[MARITAL_STATUS];
13 };
14
15 int main(void)
16 {
17     //variable delarations
18     struct Employee EmployeeRecord[5]; //An array of 5 structs - Each being type  ?
19     'struct Employee'
20
21     char employee_rajesh[] = "Rajesh";
22     char employee_sameer[] = "Sameer";
23     char employee_kalyani[] = "Kalyani";
24     char employee_sonali[] = "Sonali";
25     char employee_shantanu[] = "Shantanu";
26
27     int i;
28
29     //code
30     // ***** HARD-CODED INITIALIZATION OF ARRAY OF 'struct Employee' *****
31
32     // ***** EMPLOYEE 1 *****
33     strcpy(EmployeeRecord[0].name, employee_rajesh);
34     EmployeeRecord[0].age = 30;
35     EmployeeRecord[0].sex = 'M';
36     EmployeeRecord[0].salary = 50000.0f;
37     strcpy(EmployeeRecord[0].marital_status, "Unmarried");
38
39     // ***** EMPLOYEE 2 *****
40     strcpy(EmployeeRecord[1].name, employee_sameer);
41     EmployeeRecord[1].age = 32;
42     EmployeeRecord[1].sex = 'M';
43     EmployeeRecord[1].salary = 60000.0f;
44     strcpy(EmployeeRecord[1].marital_status, "Married");
45
46     // ***** EMPLOYEE 3 *****
47     strcpy(EmployeeRecord[2].name, employee_kalyani);
48     EmployeeRecord[2].age = 29;
49     EmployeeRecord[2].sex = 'F';
50     EmployeeRecord[2].salary = 62000.0f;
51     strcpy(EmployeeRecord[2].marital_status, "Unmarried");

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52 // ***** EMPLOYEE 4 *****
53 strcpy(EmployeeRecord[3].name, employee_sonali);
54 EmployeeRecord[3].age = 33;
55 EmployeeRecord[3].sex = 'F';
56 EmployeeRecord[3].salary = 50000.0f;
57 strcpy(EmployeeRecord[3].marital_status, "Married");
58
59 // ***** EMPLOYEE 5 *****
60 strcpy(EmployeeRecord[4].name, employee_shantanu);
61 EmployeeRecord[4].age = 35;
62 EmployeeRecord[4].sex = 'M';
63 EmployeeRecord[4].salary = 55000.0f;
64 strcpy(EmployeeRecord[4].marital_status, "Married");
65
66 // *** DISPLAY ***
67 printf("\n\n");
68 printf("***** DISPLAYING EMPLOYEE RECORDS *****\n\n");
69 for (i = 0; i < 5; i++)
70 {
71     printf("***** EMPLOYEE NUMBER %d *****\n\n", (i + 1));
72     printf("Name           : %s\n", EmployeeRecord[i].name);
73     printf("Age             : %d years\n", EmployeeRecord[i].age);
74
75     if (EmployeeRecord[i].sex == 'M' || EmployeeRecord[i].sex == 'm')
76         printf("Sex               : Male\n");
77     else
78         printf("Sex               : Female\n");
79
80     printf("Salary           : Rs. %f\n", EmployeeRecord[i].salary);
81     printf("Marital Status : %s\n", EmployeeRecord[i].marital_status);
82
83     printf("\n\n");
84 }
85
86 return(0);
87 }
88
```