```c
  1  #include <stdio.h>
  2  #include <ctype.h>
  3
  4  #define NUM_EMPLOYEES 5 // Simply Change this constant value to have as many    ⮑
       number of Employee Records as you please ...
  5
  6  #define NAME_LENGTH 100
  7  #define MARITAL_STATUS 10
  8
  9  struct Employee
 10  {
 11      char name[NAME_LENGTH];
 12      int age;
 13      char sex;
 14      float salary;
 15      char marital_status;
 16  };
 17
 18  int main(void)
 19  {
 20      //function prototype
 21      void MyGetString(char[], int);
 22
 23      //variable delarations
 24      struct Employee EmployeeRecord[NUM_EMPLOYEES]; //An array of <NUM_EMPLOYEES>  ⮑
          structs - Each being type 'struct Employee'
 25      int i;
 26
 27      //code
 28      // ****** USER INPUT INITIALIZATION OF ARRAY OF 'struct Employee' ******
 29      for (i = 0; i < NUM_EMPLOYEES; i++)
 30      {
 31          printf("\n\n\n\n");
 32          printf("********** DATA ENTRY FOR EMPLOYEE NUMBER %d **********\n", (i +  ⮑
            1));
 33
 34          printf("\n\n");
 35          printf("Enter Employee Name : ");
 36          MyGetString(EmployeeRecord[i].name, NAME_LENGTH);
 37
 38          printf("\n\n\n");
 39          printf("Enter Employee's Age (in years) : ");
 40          scanf("%d", &EmployeeRecord[i].age);
 41
 42          printf("\n\n");
 43          printf("Enter Employee's Sex (M/m For Male, F/f For Female) : ");
 44          EmployeeRecord[i].sex = getch();
 45          printf("%c", EmployeeRecord[i].sex);
 46          EmployeeRecord[i].sex = toupper(EmployeeRecord[i].sex);
 47
 48          printf("\n\n\n");
 49          printf("Enter Employee's Salary (in Indian Rupees) : ");
```

```c
50            scanf("%f", &EmployeeRecord[i].salary);
51
52            printf("\n\n");
53            printf("Is The Employee Married? (Y/y For Yes, N/n For No) : ");
54            EmployeeRecord[i].marital_status = getch();
55            printf("%c", EmployeeRecord[i].marital_status);
56            EmployeeRecord[i].marital_status = toupper(EmployeeRecord
                 [i].marital_status);
57        }
58
59
60        // *** DISPLAY ***
61        printf("\n\n\n\n");
62        printf("********** DISPLAYING EMPLOYEE RECORDS **********\n\n");
63        for (i = 0; i < NUM_EMPLOYEES; i++)
64        {
65            printf("********** EMPLOYEE NUMBER %d **********\n\n", (i + 1));
66            printf("Name             : %s\n", EmployeeRecord[i].name);
67            printf("Age              : %d years\n", EmployeeRecord[i].age);
68
69            if (EmployeeRecord[i].sex == 'M')
70                printf("Sex              : Male\n");
71            else if(EmployeeRecord[i].sex == 'F')
72                printf("Sex              : Female\n");
73            else
74                printf("Sex              : Invalid Data Entered\n");
75
76
77            printf("Salary           : Rs. %f\n", EmployeeRecord[i].salary);
78
79            if (EmployeeRecord[i].marital_status == 'Y')
80                printf("Marital Status : Married\n");
81            else if (EmployeeRecord[i].marital_status == 'N')
82                printf("Marital Status : Unmarried\n");
83            else
84                printf("Marital Status : Invalid Data Entered\n");
85
86
87            printf("\n\n");
88        }
89
90        return(0);
91    }
92
93    // *** SIMPLE RUDIMENTARY IMPLEMENTATION OF gets_s() ***
94    // *** IMPLEMENTED DUE TO DIFFERENT BEHAVIOUR OF gets_s() / fgets() / fscanf() ON
         DIFFERENT PLATFORMS ***
95    // *** BACKSPACE / CHARACTER DELETION AND ARROW KEY CURSOR MOVEMENT NOT
         IMPLEMENTED ***
96
97    void MyGetString(char str[], int str_size)
98    {
```

```c
 99        //variable declarations
100        int i;
101        char ch = '\0';
102
103        //code
104        i = 0;
105        do
106        {
107            ch = getch();
108            str[i] = ch;
109            printf("%c", str[i]);
110            i++;
111        }while ((ch != '\r') && (i < str_size));
112
113        if (i == str_size)
114            str[i - 1] = '\0';
115        else
116            str[i] = '\0';
117   }
118
119
```