```c
#include <stdio.h>
#include <ctype.h>

#define NUM_EMPLOYEES 5 // Simply Change this constant value to have as many number of Employee Records as you please ...

#define NAME_LENGTH 100
#define MARITAL_STATUS 10

struct Employee
{
    char name[NAME_LENGTH];
    int age;
    char sex;
    float salary;
    char marital_status;
};

int main(void)
{
    //function prototype
    void MyGetString(char[], int);

    //variable delarations
    struct Employee EmployeeRecord[NUM_EMPLOYEES]; //An array of <NUM_EMPLOYEES> structs - Each being type 'struct Employee'
    int i;

    //code
    // ****** USER INPUT INITIALIZATION OF ARRAY OF 'struct Employee' ******
    for (i = 0; i < NUM_EMPLOYEES; i++)
    {
        printf("\n\n\n\n");
        printf("********** DATA ENTRY FOR EMPLOYEE NUMBER %d **********\n", (i + 1));

        printf("\n\n");
        printf("Enter Employee Name : ");
        MyGetString(EmployeeRecord[i].name, NAME_LENGTH);

        printf("\n\n\n\n");
        printf("Enter Employee's Age (in years) : ");
        scanf("%d", &EmployeeRecord[i].age);

        printf("\n\n");
        printf("Enter Employee's Sex (M/m For Male, F/f For Female) : ");
        EmployeeRecord[i].sex = getch();
        printf("%c", EmployeeRecord[i].sex);
        EmployeeRecord[i].sex = toupper(EmployeeRecord[i].sex);

        printf("\n\n\n\n");
        printf("Enter Employee's Salary (in Indian Rupees) : ");
```

```
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
    //variable declarations
    int i;
    char ch = '\0';

    //code
    i = 0;
    do
    {
        ch = getch();
        str[i] = ch;
        printf("%c", str[i]);
        i++;
    }while ((ch != '\r') && (i < str_size));

    if (i == str_size)
        str[i - 1] = '\0';
    else
        str[i] = '\0';
}
```