```c
#include <stdio.h>

#define MAX_NAME_LENGTH 100

struct Employee
{
    char name[MAX_NAME_LENGTH];
    unsigned int age;
    char gender;
    double salary;
};

struct MyData
{
    int i;
    float f;
    double d;
    char c;
};

int main(void)
{
    // Typedefs
    typedef struct Employee MY_EMPLOYEE_TYPE;
    typedef struct MyData MY_DATA_TYPE;

    // variable declarations
    struct Employee emp = {"Funny", 25, 'M', 10000.00};
    MY_EMPLOYEE_TYPE emp_typedef = {"Bunny", 23, 'F', 20400.00};

    struct MyData md = {30, 11.45f, 26.122017, 'X'};
    MY_DATA_TYPE md_typedef;

    // code
    md_typedef.i = 9;
    md_typedef.f = 1.5f;
    md_typedef.d = 8.041997;
    md_typedef.c = 'P';

    printf("\n\n");
    printf("struct Employee : \n\n");
    printf("emp.name   = %s\n", emp.name);
    printf("emp.age    = %d\n", emp.age);
    printf("emp.gender = %c\n", emp.gender);
    printf("emp.salary = %lf\n", emp.salary);

    printf("\n\n");
    printf("MY_EMPLOYEE_TYPE : \n\n");
    printf("emp_typedef.name   = %s\n", emp_typedef.name);
    printf("emp_typedef.age    = %d\n", emp_typedef.age);
    printf("emp_typedef.gender = %c\n", emp_typedef.gender);
    printf("emp_typedef.salary = %lf\n", emp_typedef.salary);
```

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53
54      printf("\n\n");
55      printf("struct MyData : \n\n");
56      printf("md.i = %d\n", md.i);
57      printf("md.f = %f\n", md.f);
58      printf("md.d = %lf\n", md.d);
59      printf("md.c = %c\n", md.c);
60
61      printf("\n\n");
62      printf("MY_DATA_TYPE : \n\n");
63      printf("md_typedef.i = %d\n", md_typedef.i);
64      printf("md_typedef.f = %f\n", md_typedef.f);
65      printf("md_typedef.d = %lf\n", md_typedef.d);
66      printf("md_typedef.c = %c\n", md_typedef.c);
67
68      printf("\n\n");
69      return(0);
70  }
71
72
73
```