- Write a program that does the following:
  - Define a constant variable MAX and make it equal to 4.
  - Define a struct called Employee with the following data member:
    - Name: a string of maximum 40 characters.
    - Salary: a floating point number.
  - Declare an array of MAX Employees.
  - Read the names and salaries of all MAX employees.
  - Use MaxSalary to print the name and salary of the employee with the maximum salary.
  - Use Raise to give the first employee a 10% raise in his/her salary.
  - When you print a floating point number, print only 2 digits after the floating point.

- Write the following functions:

  - Write the function ***MaxSalary*** that takes an array of struct employee. The functions should search the array for the maximum salary. Then prints that employee's name and salary.
    - voidMaxSalary(struct Employee AllEmps[])
  - Write the function ***Raise*** that takes a pointer to a struct employee and a raise percentage. Then calculate the new salary after the raise.
    - void Raise(structemployee *emp, float percent)

  Hint: to print %. Write %%.

  Sample runs:

```
$ ./lab8

============================
Enter Employees1 name: Marwan

============================
Enter Marwan's salary: 10000

============================
Enter Employees2 name: Ahmad

============================
Enter Ahmad's salary: 9000

============================
Enter Employees3 name: Ali
```

```
===========================
Enter Ali's salary: 3000

===========================
Enter Employees4 name: Hassan

===========================
Enter Hassan's salary: 15000

===========================
The employee Hassan has the maximum salary 15000.00

===========================
Employees Marwan's salary before the 10% raise: 10000.00

===========================
Employees Marwan's salary after the 10% raise: 11000.00

===========================
```

Name your file using the following naming convention:

- o "Lab7_YourFirstName_YourLastName.c"
- o Don't forget to move to your own directory
- o Compile your code and execute it.
- o Show the program to your lab instructor before you leave.

```c
#include<stdio.h>
#define MAX 4
```

```c
struct employee{

        char name[40];

        float salary;

};

void MaxSalary(struct employee AllEmployees[])

{

        int i;

        struct employee max = AllEmployees[0];

        for(i = 1; i < MAX; i++)

        {

                if(max.salary < AllEmployees[i].salary)

                        max = AllEmployees[i];

        }

        printf("The employee %s has the maximum salary %.2f\n",max.name,max.salary);


        /*

        OR


        int i, index = 0;

        for(i = 1; i < MAX; i++)

        {

                if(AllEmployees[index].salary < AllEmployees[i].salary)

                        index = i;

        }

        printf("The employee %s has the maximum salary %.2f\n",AllEmployees[index].name,
AllEmployees[index].salary);


        */

}
```

```c
void Raise(struct employee *emp, float precent)

{

        emp->salary *= (1+(precent/100));

}

main()

{

        struct employee Employees[MAX];

        int i;

        printf("============================\n");

        for(i = 0; i < MAX; i++)

        {

                printf("Enter Employees%i name: ", i+1);

                scanf("%s",Employees[i].name);

                printf("============================\n");


                printf("Enter %s's salary: ", Employees[i].name);

                scanf("%f",&Employees[i].salary);

                printf("============================\n");

        }

        MaxSalary(Employees);

        printf("============================\n");

        printf("Employees %s's salary before the 10%% raise: %.2f\n", Employees[0].name,
Employees[0].salary);

        printf("============================\n");

        Raise(&Employees[0], 10);

        printf("Employees %s's salary after the 10%% raise: %.2f\n", Employees[0].name,
Employees[0].salary);

        printf("============================\n");
```

}