1)Write a C program to store n employee records based on EMP_ID,EMP_NAME,EMP_DEPTID,EMP_PHNO,EMP_SALARY and display all the details of
employees using EMP_NAME in sorted order.

```c
#include <stdio.h>

#include <string.h>

// Define structure for employee record

struct Employee {

    int EMP_ID;

    char EMP_NAME[50];

    int EMP_DEPTID;

    char EMP_PHNO[15];

    float EMP_SALARY;

};

// Function to swap two employee records

void swap(struct Employee *a, struct Employee *b) {

    struct Employee temp = *a;

    *a = *b;

    *b = temp;

}

// Function to sort employee records based on name using bubble sort

void sortByName(struct Employee arr[], int n) {

    int i, j;

    for (i = 0; i < n-1; i++) {

        for (j = 0; j < n-i-1; j++) {

            if (strcmp(arr[j].EMP_NAME, arr[j+1].EMP_NAME) > 0) {
```

```c
            swap(&arr[j], &arr[j+1]);

        }

    }

}

}


// Function to display all employee details

void displayEmployees(struct Employee arr[], int n) {

    printf("EMP_ID\tEMP_NAME\tEMP_DEPTID\tEMP_PHNO\t\tEMP_SALARY\n");

    for (int i = 0; i < n; i++) {

        printf("%d\t%s\t\t%d\t\t%s\t\t%.2f\n", arr[i].EMP_ID, arr[i].EMP_NAME,
arr[i].EMP_DEPTID, arr[i].EMP_PHNO, arr[i].EMP_SALARY);

    }

}

int main() {

    int n;

    printf("Enter the number of employees: ");

    scanf("%d", &n);

    // Create an array of employee records

    struct Employee employees[n];

    // Input employee details

    for (int i = 0; i < n; i++) {

        printf("Enter details for employee %d:\n", i+1);

        printf("EMP_ID: ");

        scanf("%d", &employees[i].EMP_ID);
```

```c
        printf("EMP_NAME: ");

        scanf("%s", employees[i].EMP_NAME);

        printf("EMP_DEPTID: ");

        scanf("%d", &employees[i].EMP_DEPTID);

        printf("EMP_PHNO: ");

        scanf("%s", employees[i].EMP_PHNO);

        printf("EMP_SALARY: ");

        scanf("%f", &employees[i].EMP_SALARY);

    }
    // Sort employee records by name
    sortByName(employees, n);
    // Display sorted employee details
    printf("\nEmployee Details (Sorted by EMP_NAME):\n");
    displayEmployees(employees, n);
    return 0;
}
```