Task 1:

I must implement a struct named employees that stores the information of the .txt.

The following must be stored:
- EmployeeNO
- First Name
- Last Name
- DepartmentNO
- Hourly Salary

In Main, there needs to be the following functions:

- Scan, which scans the data from the .txt in the chosen data structure

- Print, which prints the information of the employees in the chosen data structure to a .txt.

Program the functions scan and print and call for them in main.

Task 2:

Implement a function "average" that can say the average salary of the employees-

Call for the function in main and print the average salary to the .txt.

Task 3:

Implement a function "new salary" that can give the employees in a certain department a raise to their salary.

The function must receive:

- The number of the department, where all employees must receive the raise
- The percentage the hourly salary must be increased by

The function must give every member of the department the same percentage in raise.

Call for the function in main and give all the employees in departmentNO 3 a 5% increase to their salary. Call afterwards the function print to test that the given employees have received the increase.

Task 4:

Implement a function "add" that can add an employee to the company.

The function must receive:

- Information about the given employee that is to be added.

The function must add the given employee to the chosen data structure.

Call for the function in main so the employee with the following data is added:

EmployeeNO: 12
First Name: Erik
Last Name: Eriksen
DepartmentNO: 3
Hourly Salary: 260.75

Then call for the function print to test that the new employee has been added.

Task 5:

Implement a function "delete" that can delete an employee.

The function must receive:

- The EmployeeNO of the employee that is to be deleted.

The function must remove the employee from the chosen data structure.

Call for the function in main, so that the employee with employeeNO 4 is removed.

Then call for the function print to test that the employee has indeed been removed.

Task 6:

The company now wants that all employees must be qualified by participating in different courses.

It is wished that it is possible to register, which courses each employee has completed.

There must be added in the struct employees the ability to show, which courses a given employee has completed. As a minimum there must be programmed so that each employee can have completed at least 3 courses. But I can add more if I want to.

The implementation of this must not influence the previous functions from tasks 1-5.

In the text file kurser.txt is information about, which courses different employees have completed.

Each line represents information about EmployeeNO and the name of the course each employee has completed. An employee can have completed multiple courses and some employees have not completed any courses.

Implement a function "scanCourses", which scans the data from the text file kurser.txt and register the information accordingly for each employee in the chosen data structure.

Task 7:

Implement a function "printAll".

This function must print the following information for all the given employees in the chosen data structure:

- EmployeeNO
- First Name
- Last Name
- DepartmentNO
- Hourly Salary
- Which courses the employee has completed

The function must print to the text file.

Call for the function in main.

Task 8:

Implement a function "coursesWith" that can rule, which employee that has completed a given course. The function can either print all employees that have completed the given course, or the function can return the given employees and let main print the employees.

The output must be to the text file.

Input to the function is the name of the course.

Test the function by letting it print the employees that have completed the course in Word.