

In Lab

1- Create a java **class** file with the name **Employee** which has the following properties:

Data Members	Data Type of Member
Name	String
SSN	long
Gender	String
Type	String
Salary	double

Note: gender data members take just two values Male or Female, and type of employee take just Full-time, Part-time, Casual, or Out-workers.

2- The class should be composed of suitable constructors, suitable getters and setters, override toString method, and override equals method.

3- Create a java **Main Class** file then do the following:

*Declare an array **allEmp** of Employee with size 5.

*Print the following menu to give the user optionality:

Press 1 to insert a new employee.

Press 2 to delete an employee from the system.

Press 3 to find the employee with a minimum salary.

Press 4 to find all the employees with Casual type.

Press 5 to find the total paid money as a salary for all employees.

Note: when the user enters 0, then you should exit and finish the execution of the program.

*when the user chooses the first choice, you should check the **allEmp** array if it is full then give him/her "sorry, you reach the maximum length" message else prompt from the user to enter full information for the new one (name, SSN, gender, type, and salary) then print all the employees with the new one.

*when the user chooses the second one, you should check the **allEmp** array if it is empty then give him/her a “sorry, you don’t have an employee to delete” message else prompt from the user to enter the SSN for the employee to be deleted if the SSN isn’t in the array you should give him/her “sorry, the system didn’t find this employee” else print all the employees with rearrangement to the employees in the array.

*when the user chooses the third choice, you should retrieve the information of all the employees with a minimum salary.

*when the user chooses the fourth choice, you should retrieve the information of all the employees with a Casual type.

*when the user chooses the last choice, you should retrieve the total amount of money paid for all the employees.

Note: you can use methods in your program for insert, delete, find the minimum salary, and find the Casual employees, retrieve the total amount of money paid for all the employees.

Sample Run:

Press 1 to insert a new employee.

Press 2 to delete an employee from the system.

Press 3 to find the employee with a minimum salary.

Press 4 to find all the employees with Casual type.

Press 5 to find the total paid money as a salary for all employees.

Please enter your choice:

1

Please enter the name:

Ahmad ali

Please enter the SSN:

123

Please enter the gender:

Male

Please enter the type of employee:

Part-Time

Please enter the salary:

350

The allEmp array contains:

Ahmad Ali 123 Male Part-time 350

Press 1 to insert a new employee.

Press 2 to delete an employee from the system.

Press 3 to find the employee with a minimum salary.

Press 4 to find all the employees with Casual type.

Press 5 to find the total paid money as a salary for all employees.

Please enter your choice:

1

Please enter the name:

Muna na'amneh

Please enter the SSN:

456

Please enter the gender:

Female

Please enter the type of employee:

Full Time

Please enter the salary:

250

The allEmp array contains:

Ahmad Ali 123 Male Part-time 350

Muna Na'amneh 456 Female Full-time 250

Press 1 to insert a new employee.

Press 2 to delete an employee from the system.

Press 3 to find the employee with a minimum salary.

Press 4 to find all the employees with Casual type.

Press 5 to find the total paid money as a salary for all employees.

Please enter your choice:

1

Please enter the name:

Waleed Samarah

Please enter the SSN:

789

Please enter the gender:

Male

Please enter the type of employee:

Casual

Please enter the salary:

500

The allEmp array contains:

Ahmad Ali 123 Male Part-time 350

Muna Na'amneh 456 Female Full-time 250

Waleed Samarah 789 Male Casual 500

Press 1 to insert a new employee.

Press 2 to delete an employee from the system.

Press 3 to find the employee with a minimum salary.

Press 4 to find all the employees with Casual type.

Press 5 to find the total paid money as a salary for all employees.

Please enter your choice:

2

Please enter the SSN:

456

The allEmp array contains:

Ahmad Ali 123 Male Part-time 350
Waleed Samarah 789 Male Casual 500

Press 1 to insert a new employee.

Press 2 to delete an employee from the system.

Press 3 to find the employee with a minimum salary.

Press 4 to find all the employees with Casual type.

Press 5 to find the total paid money as a salary for all employees.

Please enter your choice:

3

The employee/s with the minimum salary is/are: Ahmad Ali 123 Male Part-time 350

Press 1 to insert a new employee.

Press 2 to delete an employee from the system.

Press 3 to find the employee with a minimum salary.

Press 4 to find all the employees with Casual type.

Press 5 to find the total paid money as a salary for all employees.

Please enter your choice:

4

The employee/s with the Casual type is/are: Waleed Samarah 789 Male Casual 500

Press 1 to insert a new employee.

Press 2 to delete an employee from the system.

Press 3 to find the employee with a minimum salary.

Press 4 to find all the employees with Casual type.

Press 5 to find the total paid money as a salary for all employees.

Please enter your choice:

5

The total amount of money paid for employees is 850 JD.

Press 1 to insert a new employee.

Press 2 to delete an employee from the system.

Press 3 to find the employee with a minimum salary.

Press 4 to find all the employees with Casual type.

Press 5 to find the total paid money as a salary for all employees.

Please enter your choice:

0

Good Luck

