

USER MANUAL







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EPI-USE Preliminary Java Assessment

About the Company Application

Company is a small application designed to read in employee information from a text file and provide various operations that can be performed on and from the data. Its UI runs on a command prompt and makes use of simple user inputs to decide on which operations to perform.

Contents of zip file

- | | | |
|---|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| • |  Company | The folder containing the project files. |
| • |  Company.jar | The jar file of the Company application. |
| • |  javadoc | The java documentation for Company. |
| • |  Comp.jsmooth | JSmooth configuration to convert Company.jar into an executable. |
| • |  Company.exe | The executable for Company. |
| • |  Workers.txt | The text document containing worker data to be read in by Company |

Prerequisites for Company

Operating System:

Company runs on any operating system that can support a Java virtual machine and has command prompt/terminal/console software.

Software Requirements:

Company may require some additional software in order to run. These may include:

- Java Virtual Machine Software
- (Optional): A Java IDE (Netbeans, Eclipse, etc.)

How to run Company

Company can either be run through a java IDE after importing the project files, or by double clicking on the executable. Another option would be to open command prompt, navigate to the file containing Company.jar and typing “java -jar Company.jar” in the prompt and pressing enter.

How to work with Company

Once Company is started, you will be greeted by a welcoming message and a menu:

```
Welcome to my company!
Here's what you can do (please type in the number of the operation you would like to carry out):

Preliminary Assignment operations:
  1. Print employee record
  2. List employees older than a date
  3. Print full organizational structure
  4. Print highest earning workers per tier

Additional operations:
  5. Add worker to current list (note, this won't update the text file)
  6. Delete worker from current list (note, this won't update the text file)
  7. Print an employee by first name
  8. Print an employee by second name
  9. List all managers in the company
 10. List all the employees in the company
 11. List all trainees in the company
 12. Print all employee records
 13. Quit Company program
Please type in your choice (number):
```

Navigating the main menu is as simple as typing in the number of the operation you wish to carry out.

- For example: I wish to print all employee records. Thus I will type in 1:

```
Please type in your choice (number):
1
```

And press the Enter key on the keyboard.

- For more advanced operations such as adding a new worker to the list (option 5), Company will run you through what you must type and ensure it is the correct input.

```
Please specify the new type of worker (1-Manager, 2-Employee, 3-Trainee):
1
Please type in the new first name:
Carl
Please type in the new surname:
Carlson
Please type in the new date of birth (dd-MM-yyyy):
01-02-1993
Please type in the new employee number:
4
This employee number already exists, please try a different one
Please type in the new employee number:
6
Please type in the new salary:
```

Additional information

Software for Company is also available on: https://github.com/Chris19951225/EPIUSE_JAVA_PRELIM

Should you experience any technical difficulties or have any additional questions, consult the java documentation or feel free to contact client support either through phone number or email.

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