

QUIZ 3

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Due Date : 30.04.23 (23:59:59)

1 Introduction

In this experiment, you are going to practice on some exceptions. Your program should not crash when incorrect entries or commands are given. It should identify the error and write the error message in the output file (output.txt). Your program will be tested by selecting some of the errors given below

1.1 Case 0: No error

No unexpected situation is not observed in the running of the program.

The text written in the input file is printed to the output file. The input file must have at least one character (a letter or a space).

"The program is running correctly"

1.2 Case 1: Parameter number error

This error occurs when the program has different numbers of parameters than 1.

In this case the following should be printed to the output file (output.txt):

"There should be only 1 parameter"

1.3 Case 2: Input file is empty

This error occurs when when the input file specified by the parameter is empty.

In this case the following should be printed to the output file (output.txt):

"The input file should not be empty"

1.4 Case 3: Invalid character in input file error

This error occurs when the input file specified by the parameter contains characters other than 26 letters and space.

In this case the following should be printed to the output file (output.txt):

"The input file should not contains unexpected characters"

1.5 Case 4: Input file not found error

This error occurs when the input file cannot be found in the path specified by the parameter.

In this case the following should be printed to the output file (output.txt):

"There should be an input file in the specified path"

Example input/output

Example input/output will be given in piazza. Please follow the Piazza.

Execution and Test

The input file is going to be given as program arguments. In order to test your program, you should follow the following steps:

- Upload your java files to your server account (dev.cs.hacettepe.edu.tr)
- Compile your code (javac *.java, or javac Main.java)
- **Run your program:** Your program will be tried many times with different combinations of inputs. Some incorrect entries will be given because of "Testing" within the scope of this quiz. It should be noted that the argument will be the **path of input file**.
 - java Main input-file-path (e.g., java Main ../file2/file1/input.txt)
- Check your output file (output.txt): Output.txt file will be created inside of src.
 - **Important:** The output for each case given above should be **appended** to the output file output.txt. In other saying, the output generated for each case must not be deleted from the output file. When run with a new command, it should append the output to a new line in the output file. Otherwise, you are graded as zero.

For example:

Suppose you run your program for Case 0, Case 2, Case 3, Case 2, Case 1 and Case 4, respectively. An example command in terminal (e.g., putty) will be as follows ("..." indicates that your input file can be at any path):

```
java Main ../file1/input.txt
java Main ../file2/input.txt
java Main ../file3/input.txt
java Main ../file2/input.txt
java Main ../file2/input.txt ../file1/input.txt
java Main ../file4/input.txt
```

Your output.txt file will be as follow:

```
The program is running correctly
The input file should not be empty
The input file should not contains unexpected characters
The input file should not be empty
There should be only 1 paremeter
There should be an input file in the specified path
```

Grading Policy

All exception must be work correctly to get full point from output.txt

Task	Point
Submit	1
Correct output.txt	99
Total	100

Submit Format

File hierarchy must be zipped before submitted (Not .rar, only .zip files are supported by the system)

- <studentid>.zip
 - <src>
 - Main.java, *.java

Notes

- Do not miss the submission deadline.
- Save all your work until the assignment is graded.
- Compile your code on DEV server before submitting your work to make sure it compiles without any problems on our server.
- You can ask your questions through course's piazza group and you are supposed to be aware of everything discussed in the piazza group. General discussion of the problem is allowed, but DO NOT SHARE answers, algorithms, source codes and reports.
- All assignments must be original, individual work. Duplicate or very similar assignments are both going to be considered as cheating.