Web Engineering Lab

Lab 06 Marks 100

**Instructions**

Work on this lab individually.

You are **NOT** allowed to use the internet, or mobile phone.

You are **NOT** allowed to borrow anything from your peer student.

**What you have to do**

Program the following tasks. The name of your sfiles will be according to the task given in this lab.

Task 1 [50]

Write a program that reads a text file and counts the occurrences of each word. Use Java streams to process the file contents and print the top 5 most frequent words.

* Use ArrayList to keep a count of each word.
* Implement exception handling for IOException if the file does not exist.
* Use BufferedReader to read data from a file.
* Use a try-with-resources statement to ensure the file is properly closed.

Write a **main()** to show the execution of your code.

Task 2 [50]

Write a program to read a file containing the product data (like productId, productName, price, and quantity) in the form of Product objects. Use streams to filter out products with a quantity of less than 10 to place order.

Write a **main()** and display the list of desired products.

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