**Exercise -1**

Write a java program to count the number of lines in a file. Assume that the files are text files. If an error occurs while trying to read from the files, you should print an error message for that file.

Also perform the following:-

* Get the list of all file/directory name for the current location
* Check if a file or directory has read and write permission
* Get last modified time of a file and size of the file

**Exercise -2**

Write a java program to count the occurrence of a particular word in a file. Assume that the files are text files. Write each file name, along with the number of occurrences in that file, to standard output. If an error occurs while trying to read from the files, you should print an error message for that file.

**Exercise -3**

Write a java application for a small business that tracks sales data for their products. The application needs to record sales transactions and calculate the total revenue generated by each product. Develop a Java program that allows employees to input sales data, including the product name, quantity sold, and unit price. The program should calculate the total revenue for each product (quantity sold \* unit price) and store the product name and total revenue in a file named sales\_data.txt. Ensure that the program appends the results to the file after each transaction.

**Exercise -4**

Write a program that prompts the user to enter the name of the bowler in the command line interface. Display the wickets, econ and balls\_per\_wicket from the wickets.txt file. Display the Player Not found Info if the player search name is not available.

Dataset Link:

<https://drive.google.com/file/d/1BIpIW68FdrRBYqGueupvIlCLYOnshlp5/view?usp=sharing>

Sample Output:-

Enter the Name of the Player : JJ Bumrah

Wickets: 56

Econ : 1.215271389

Balls per wicket: 19.41071429