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**SE6103 - Parallel and Distributed Systems**

**Assignment 03**

**Question 02**

*# Create project directory*

mkdir hadoop-wordcount

cd hadoop-wordcount

Create docker compose file

A screenshot of a computer program

Description automatically generated

Create Hadoop env file

A computer screen shot of a computer code

Description automatically generated

A computer screen shot of a program code

Description automatically generated

Create WordCount.java file

A computer screen shot of a program

Description automatically generated

Start the docker containers

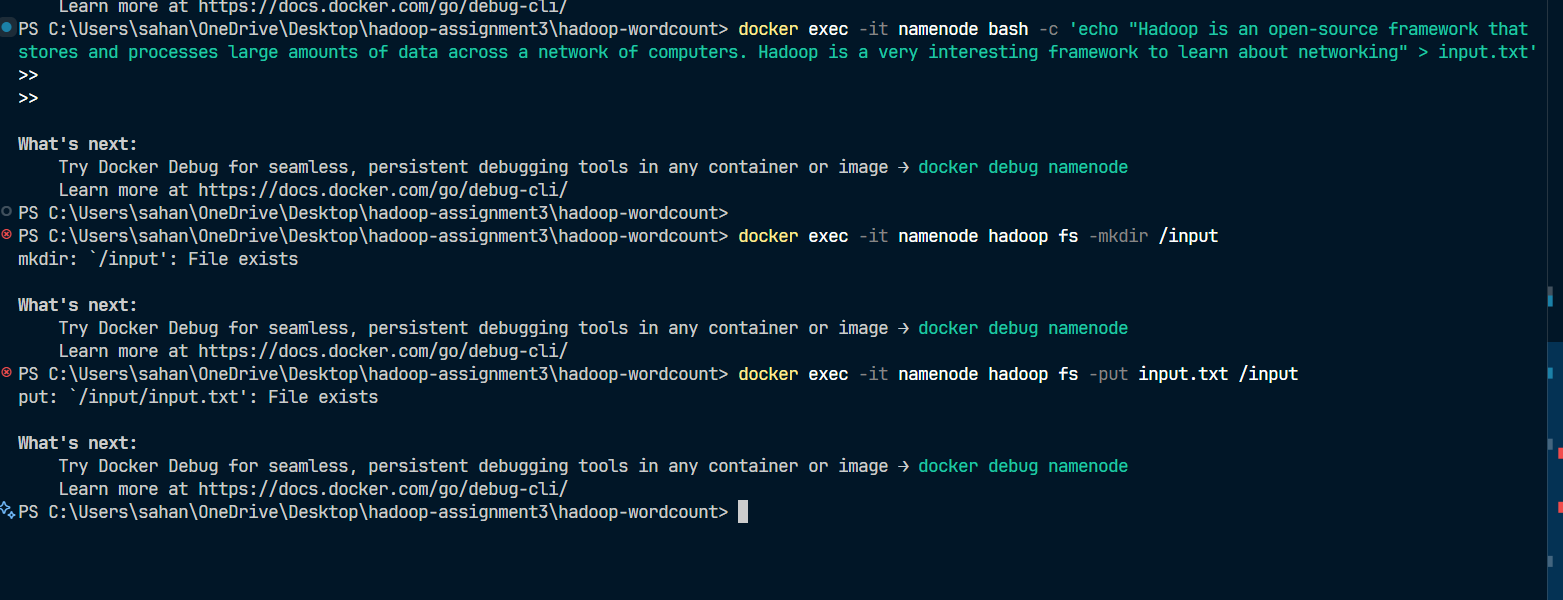
A screen shot of a computer

Description automatically generated

Install Java dependencies A computer code on a dark background

Description automatically generated

Put the sample text into the container

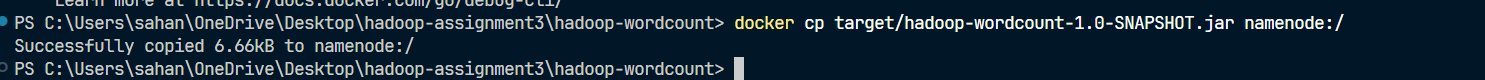


Check whether text is present

A screen shot of a computer

Description automatically generated

Copy compiled jar into the container



Run the jar file

A computer screen shot of text

Description automatically generated

View the word count result

A blue screen with white text

Description automatically generated