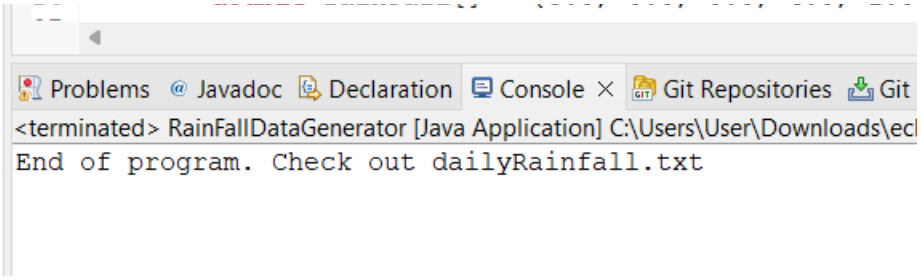
NAME: SIOW ZHE YI MATRIC NUMBER: B032220024

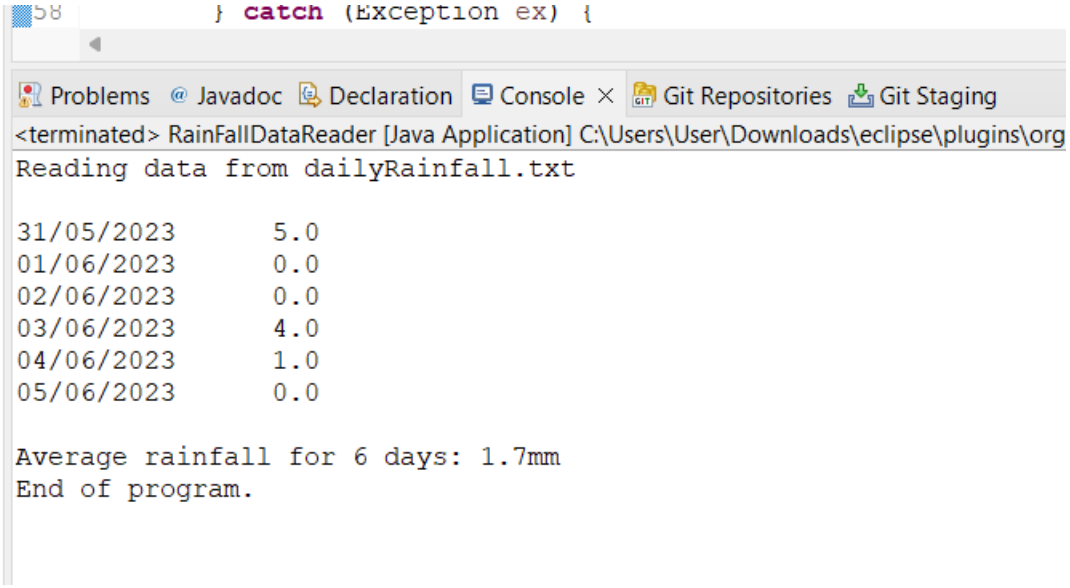
EXERCISE 5

screen shot of output

RainFallDataGenerator.java



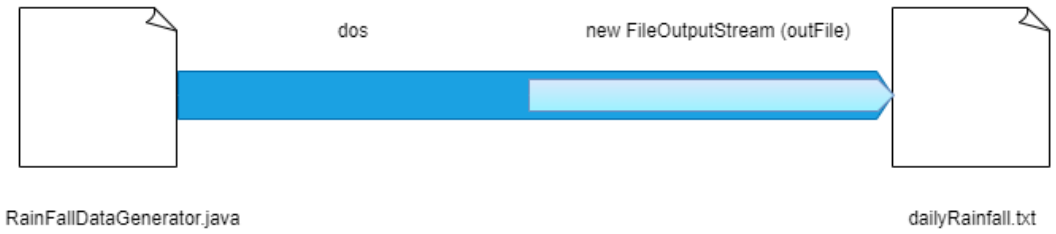
RainFallDataReader.java



Design:

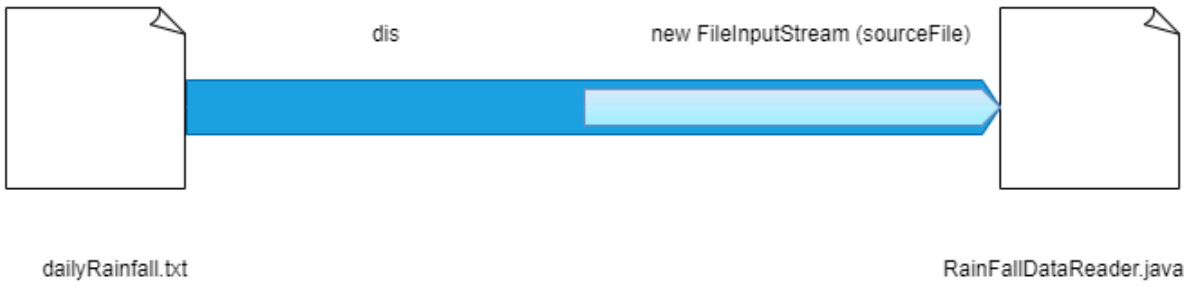
Task A: describe Java I/O interaction to create the data using java.io.DataOutputStream

Stream Interaction



Task C: The first describes Java I/O interaction to consume the data. The second diagram shall describe the Java classes that will display rainfall data and compute the average of the rainfall for 6 days.

Stream Interaction

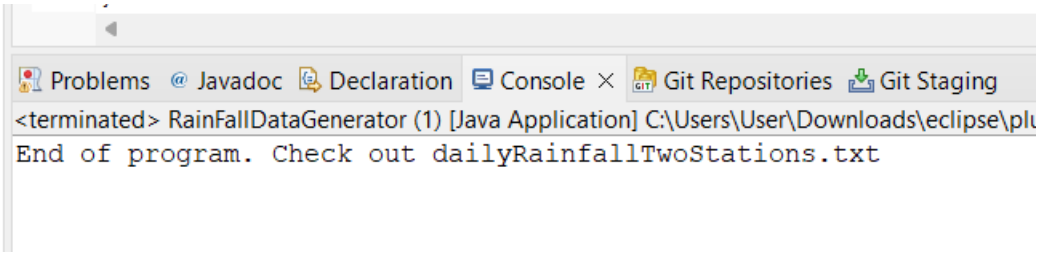


Class Diagram

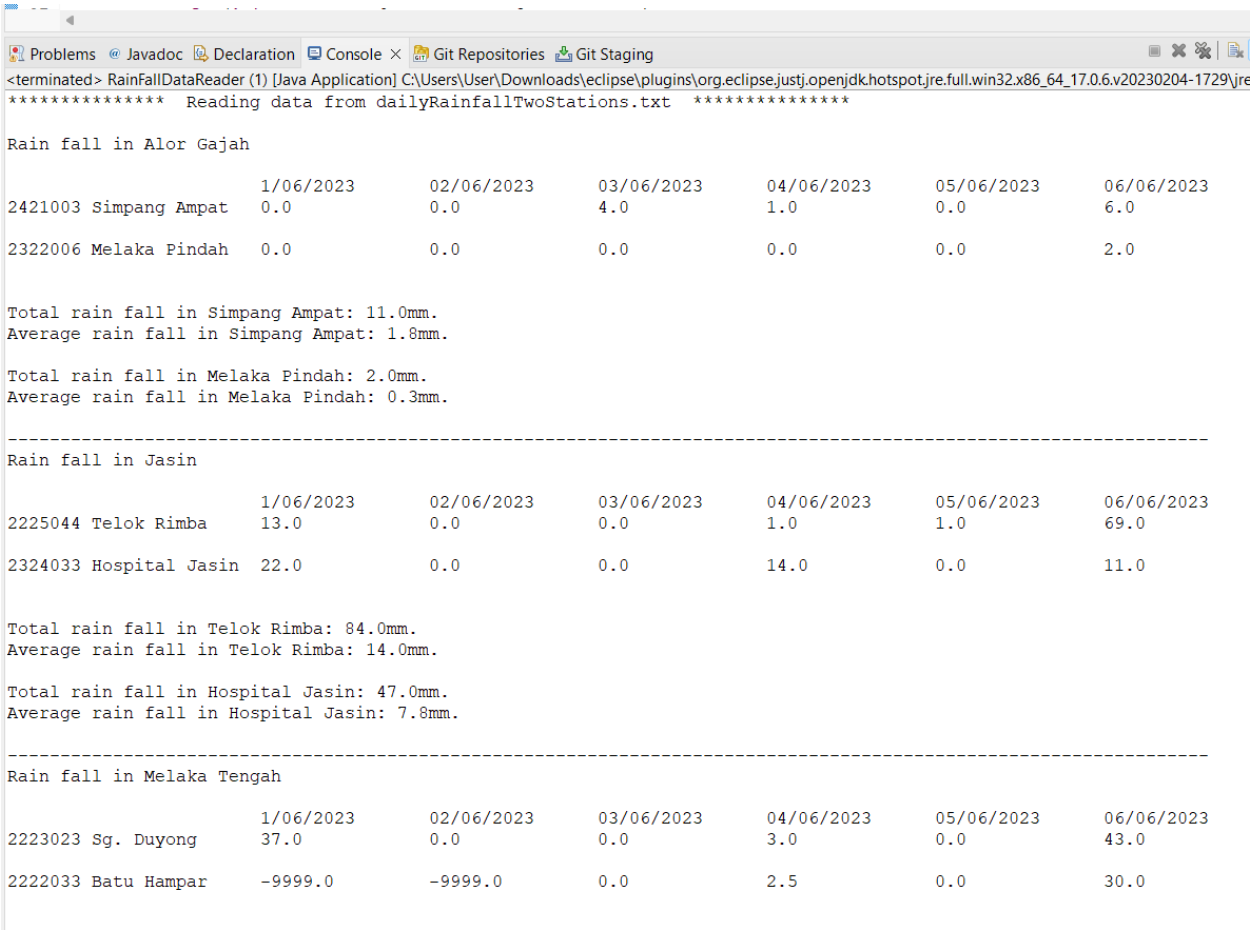
EXERCISE 6

screen shot of output

RainFallDataGenerator.java



RainFallDataReader.java



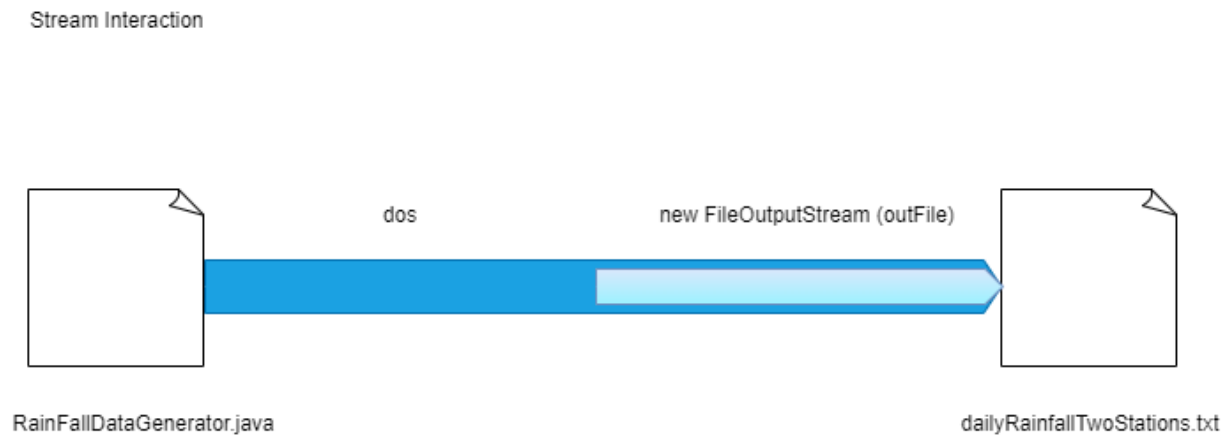
```
Total rain fall in Sg. Duyong: 83.0mm.
Average rain fall in Sg. Duyong: 13.8mm.

Total rain fall in Batu Hampar: -19965.5mm.
Average rain fall in Batu Hampar: -3327.6mm.


**************************************  END OF PROGRAM  **************************************
```

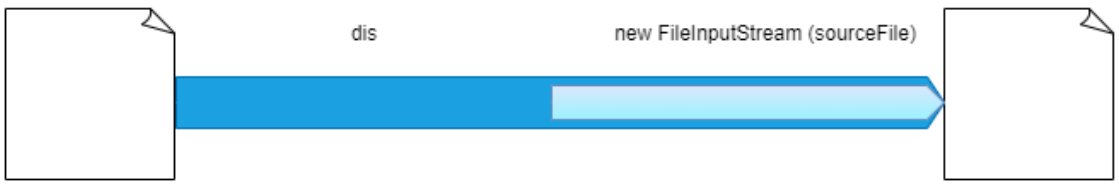
Design:

Task A: describe Java I/O interaction to create the data using java.io.DataOutputStream



Task C: The first describes Java I/O interaction to consume the data. The second diagram shall describe the Java classes that will display rainfall data and compute the average of the rainfall for 6 days.

Stream Interaction



dailyRainfallTwoStations.txt

RainFallDataReader.java

Class Diagram