Part 1: Writing Data to an Excel File

1. Provide a screenshot to show that you successfully created the two folders: input and output.

```
docker exec -it 9de85627a1b72cc0d3a8bce90b9fb338fc66f63db1716fa0822d4a63ba195a16 /bin/sh

pwd
/opt/nifi/nifi-current

mkdir input

mkdir output

pwd
/opt/nifi/nifi-current

ls

LICENSE bin database_repository flowfile_repository logs run
MOTICE conf docs input output state

README content_repository extensions lib provenance_repository work

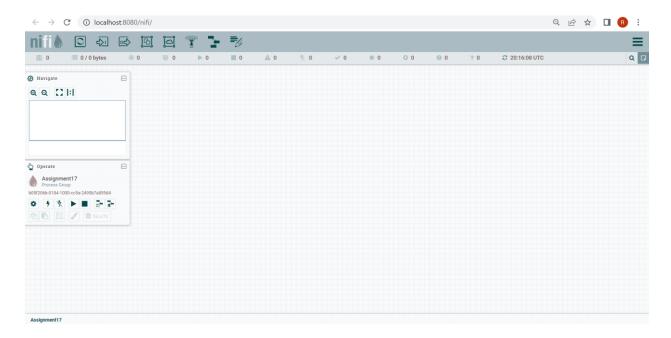
pvd

provenance_repository work
```

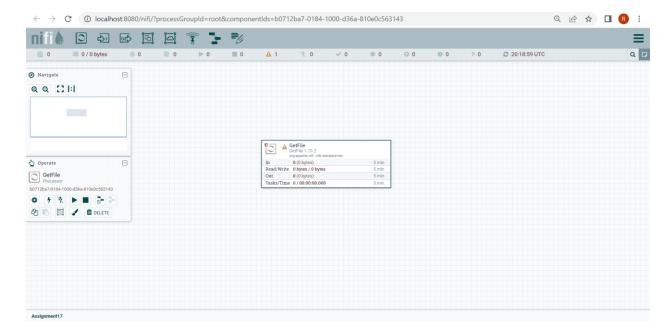
2. Provide a screenshot to show that you successfully copied the movies.xlsx file in the input folder.

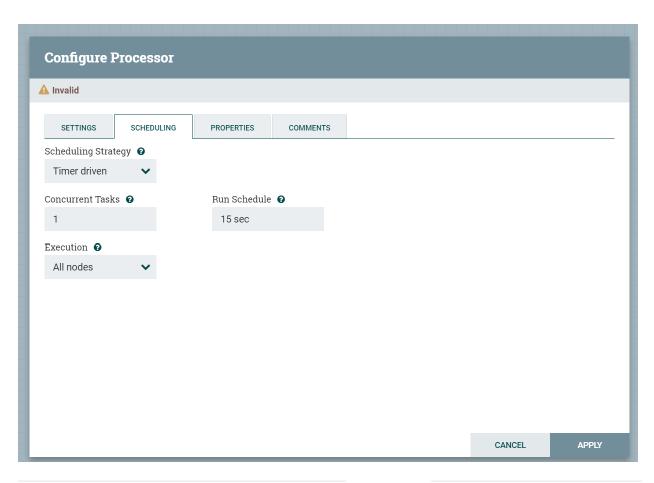


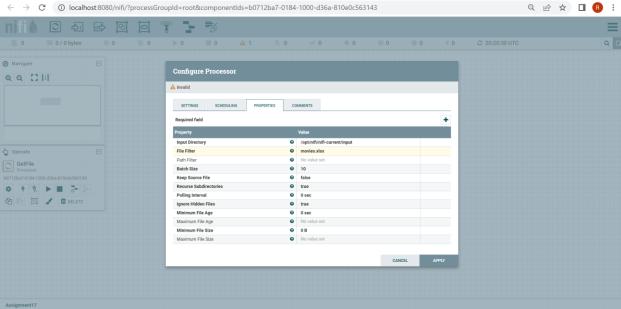
3. Provide a screenshot to show that you successfully created the Assignment17 process group.



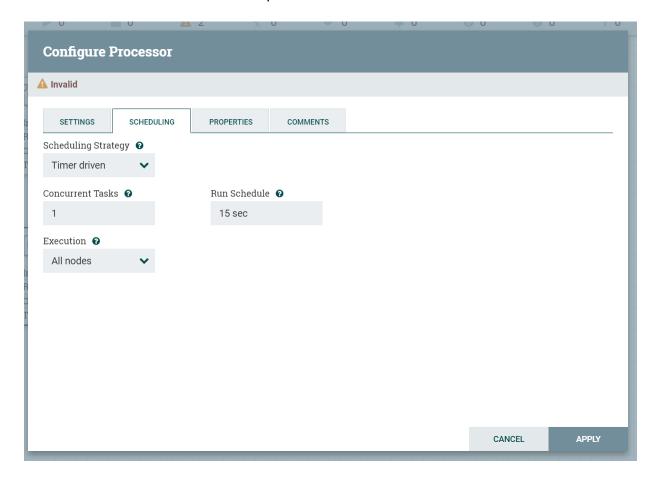
4. Provide a screenshot to show that you correctly configured the *properties* for the GetFile *processor*.

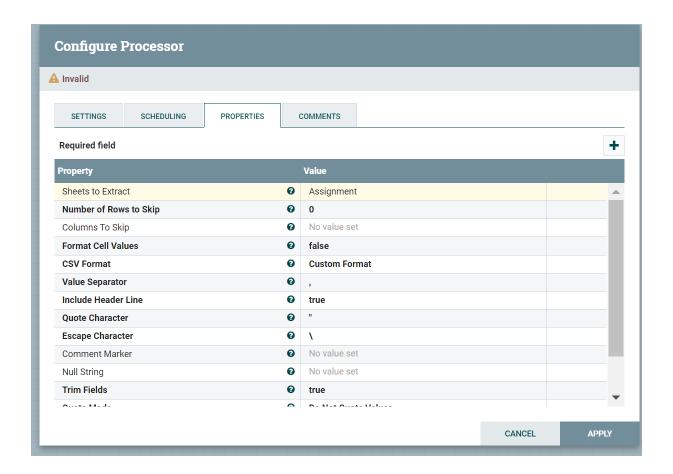




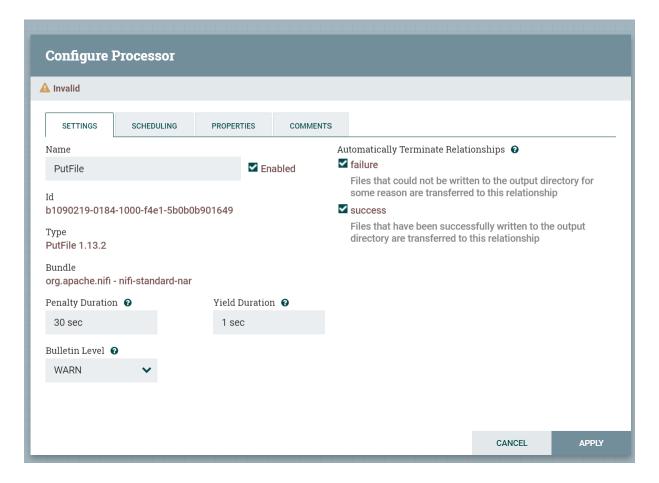


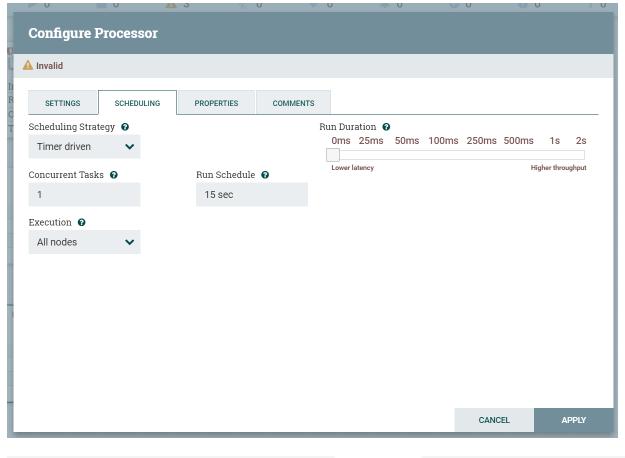
5. Provide a screenshot to show that you correctly configured the *properties* for the ConvertExcelToCSVProcessor *processor*.

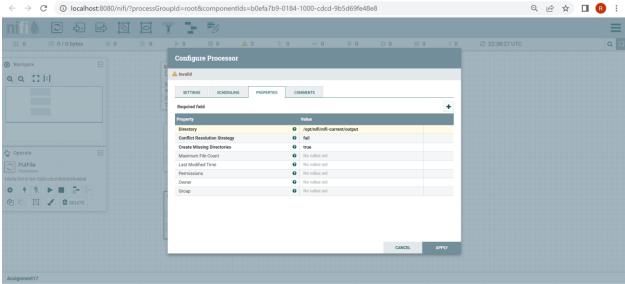




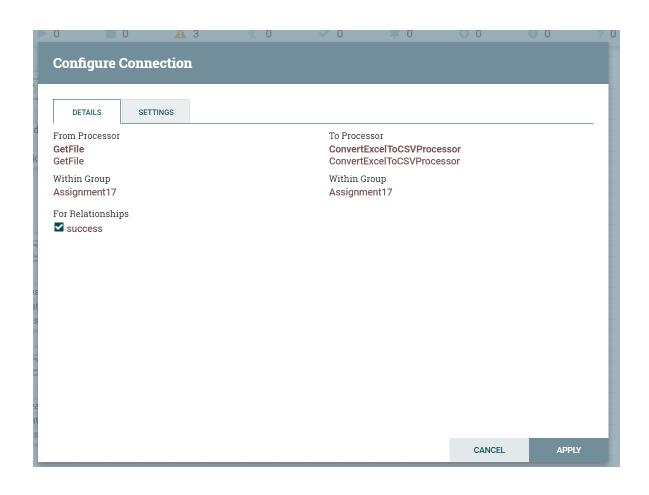
6. Provide a screenshot to show that you correctly configured the *properties* for the PutFile *processor*.

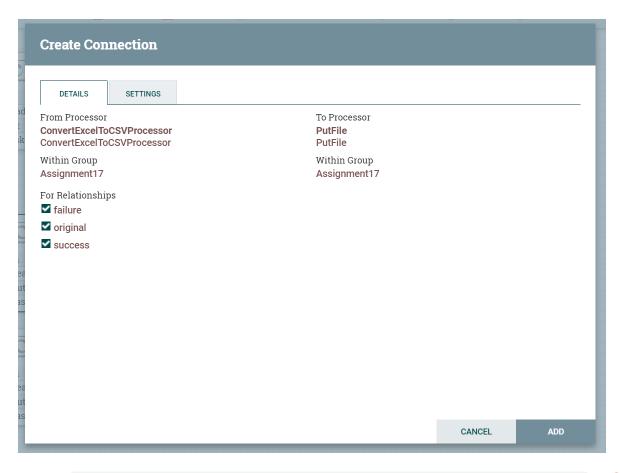


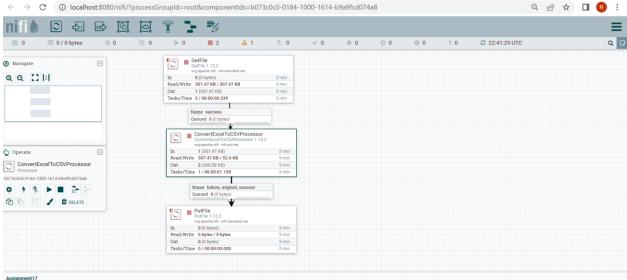




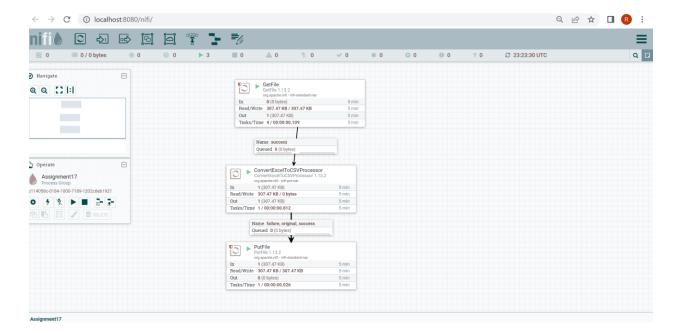
7. Provide a screenshot to show that you successfully connected all the *processors* with the correct relationships.







8. Provide a screenshot to show that all the *processors* are running (as indicated by a green arrow).



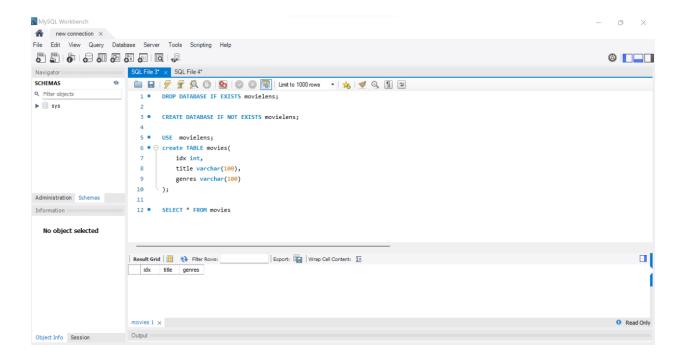
9. Provide a screenshot to show that the movies_Assignment.csv file has been created.

```
Indocker exec -it b42b0a2d3fc435a31abb0f75855c32921a0aaf0a495232be223c5c9411038a28 /bin/sh

    pwd
    /opt/nifi/nifi-current/output
    s ls
    movies.xlsx movies_Assignment.csv
$
```

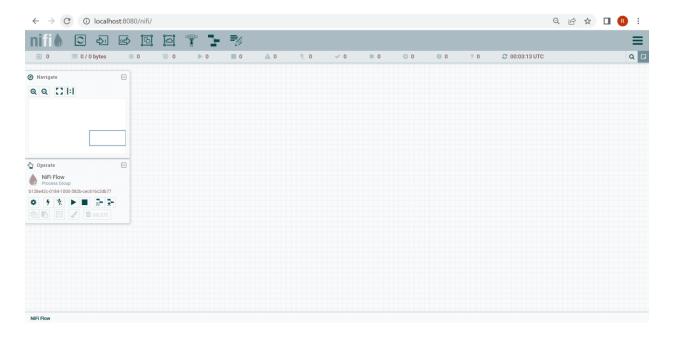
Part 2: Writing Data to an SQL Database

1. Provide a screenshot of your MySQL Workbench to show that you have successfully initialized an empty movies table in the movielens database.

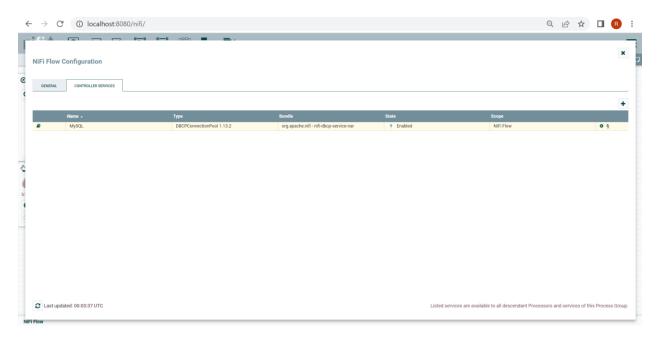


2. Provide a screenshot to show that the movies.csv file is now on the NiFi server.

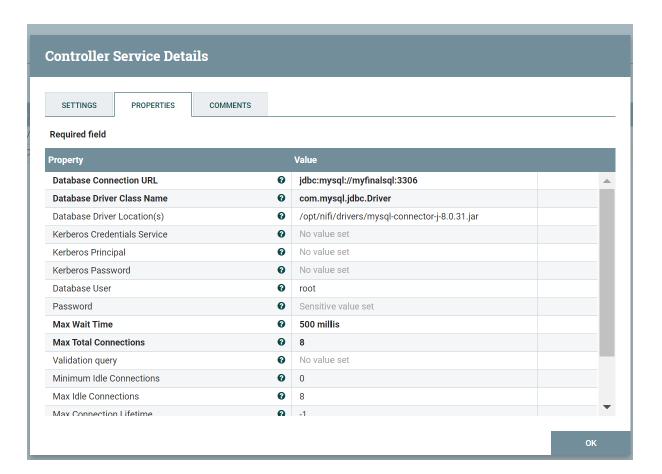
3. Provide a screenshot to show that you successfully opened the NiFi UI.

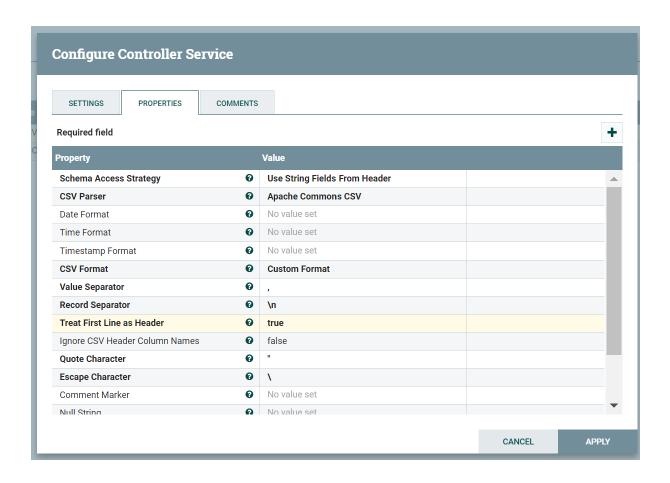


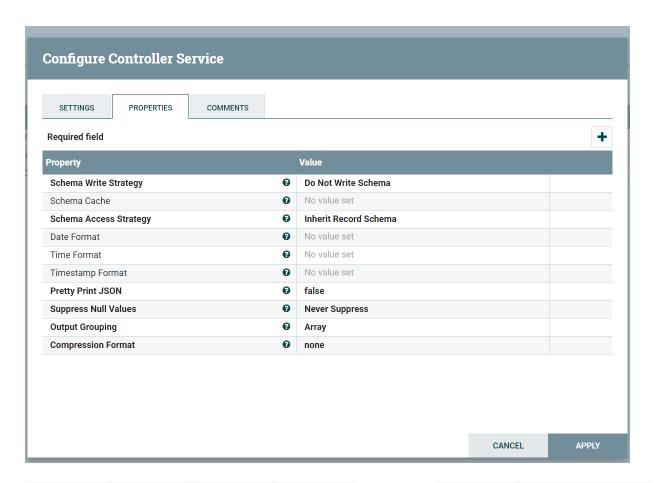
4. Provide a screenshot to show that you successfully created and enabled the MySQL *controller* service.

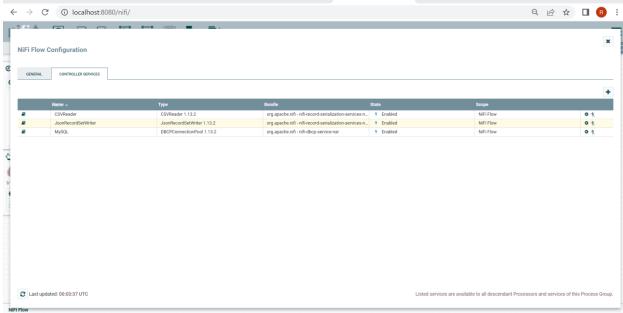


5. Provide a screenshot of the *controller* screen to show that the three *controller* services (*reader*, *writer*, and MySQL) are enabled.

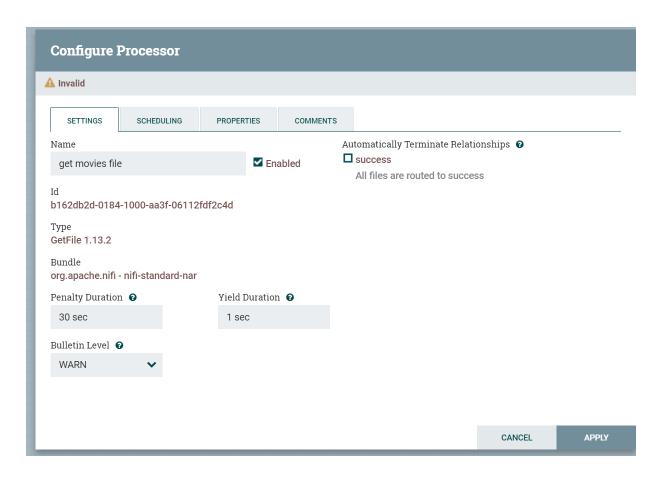


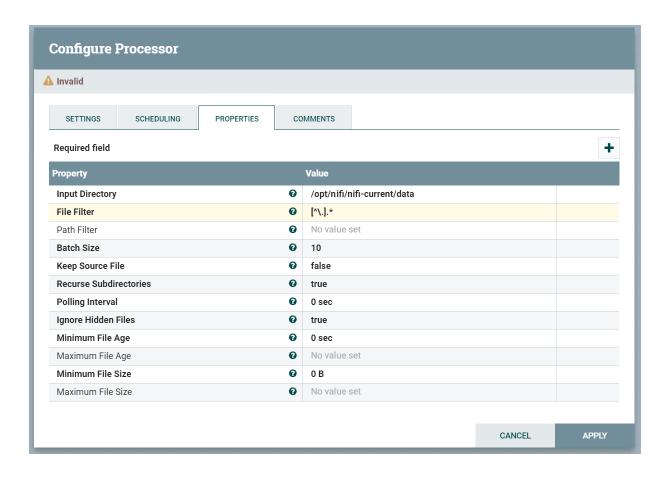


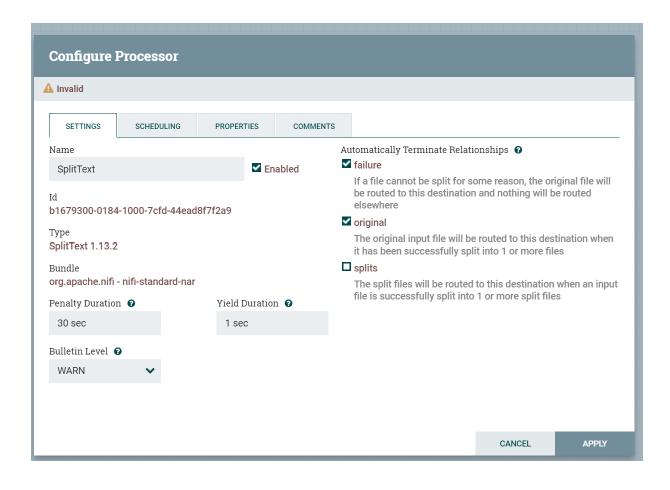


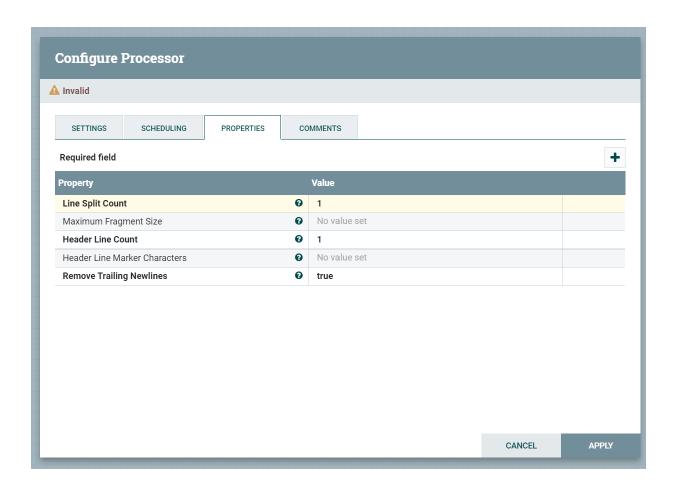


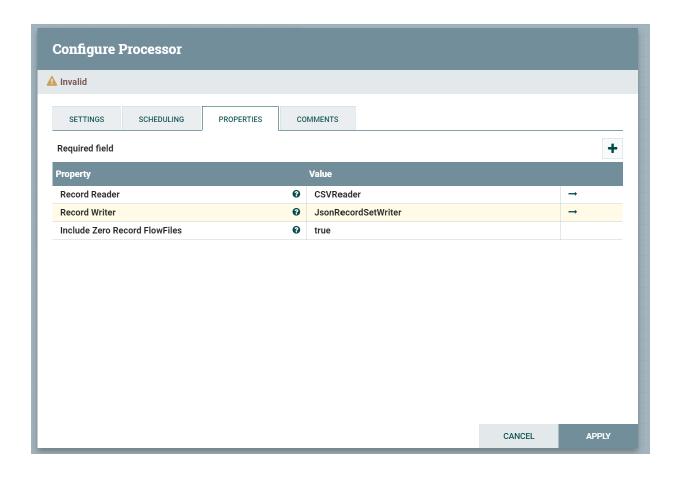
6. Provide a screenshot of your complete data pipeline, including all five *processors*: GetFile, SplitText, ConvertRecord, ConvertJSONToSQL, and PutSQL.

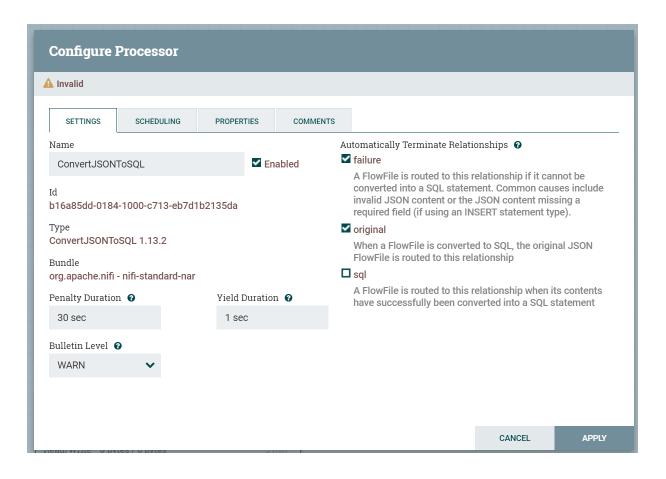


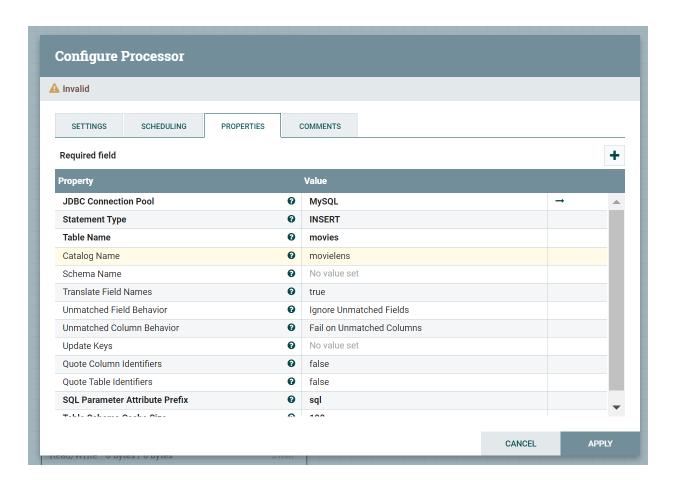


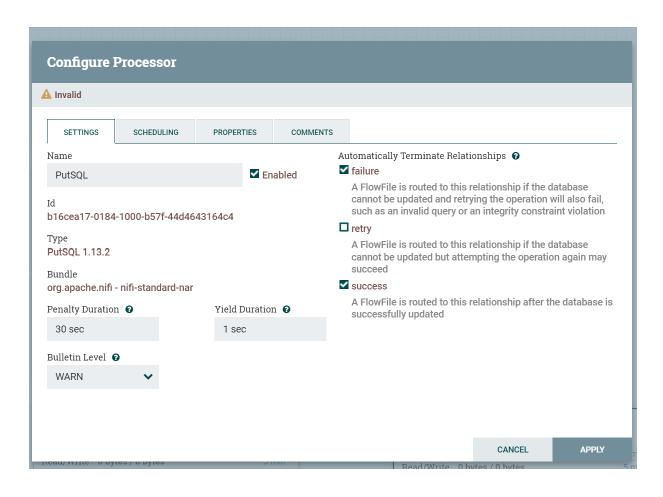


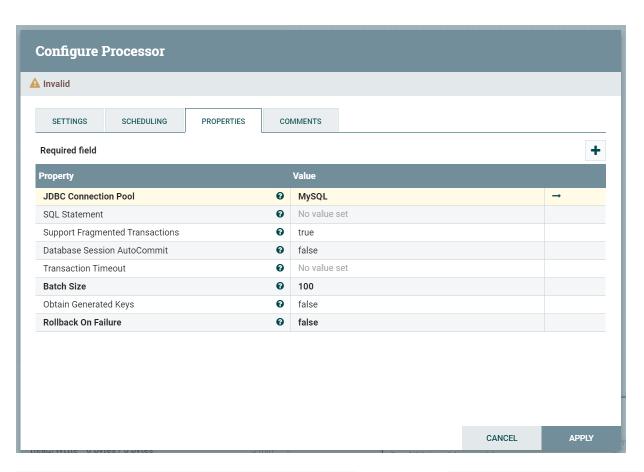


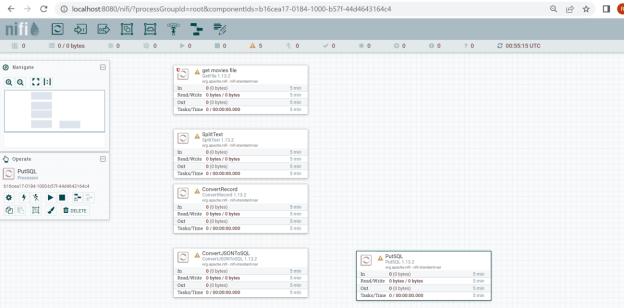




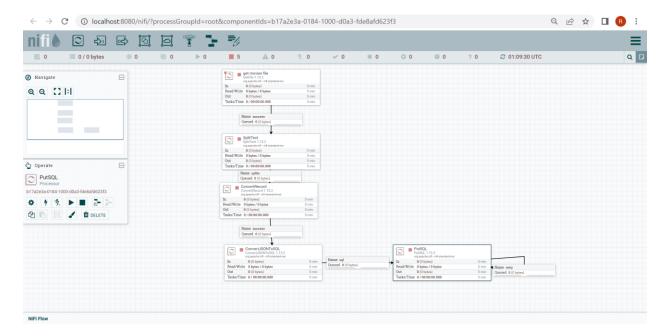




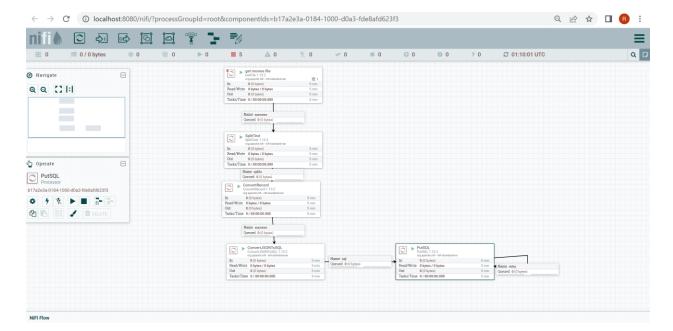


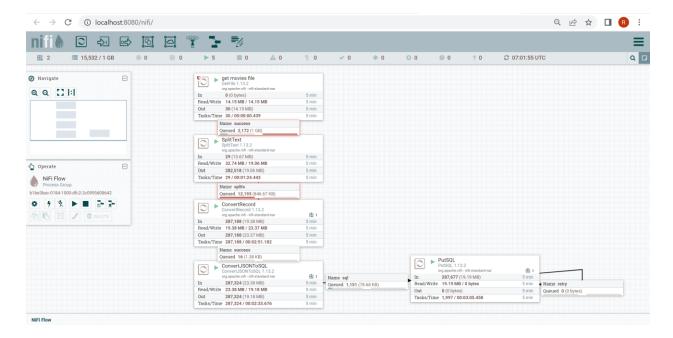


7. Provide a screenshot of all five *processors* to show that the correct *connectors* have been added between the *processors*.



8. Provide a screenshot of your NiFi browser screen to show all five *processors* connected and running.





9. Provide a screenshot of the result of this *query* to show that the movies table in the movieslens database is now saturated with data.

