## Praktikum Teknologi Perekayasaan Data

Tanggal Praktikum: Tuesday, May 30, 2023

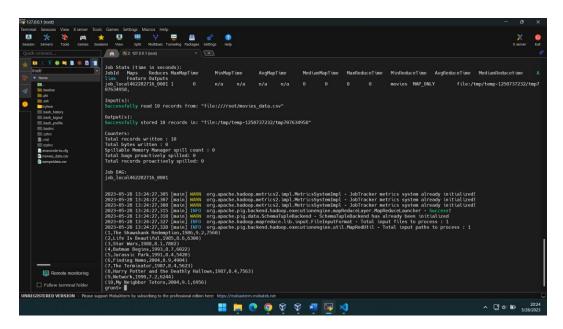
1. Upload Data

```
### Common Service Name Name | Tool Games | Service | Makes |
```

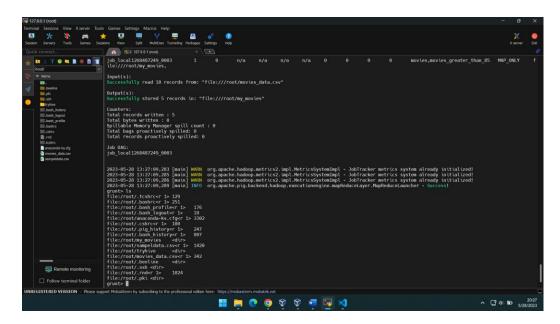
2. Jalankan Pig

```
| Access | Test | Cores | Season | Seas
```

3. Jalankan Script untuk menmbuat variable dan menampilkan data

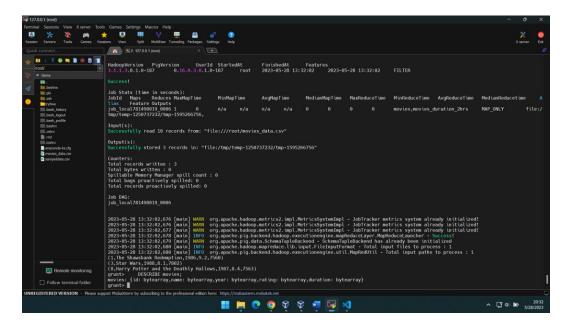


4. Menyimpan Variable

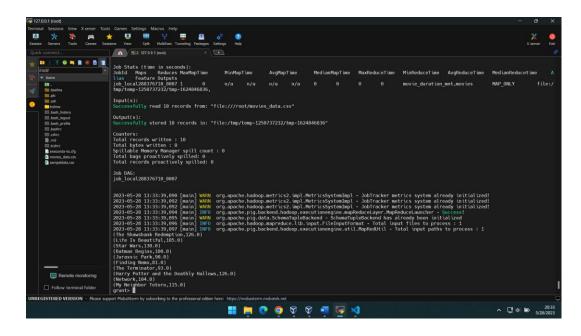


```
| Transferred |
```

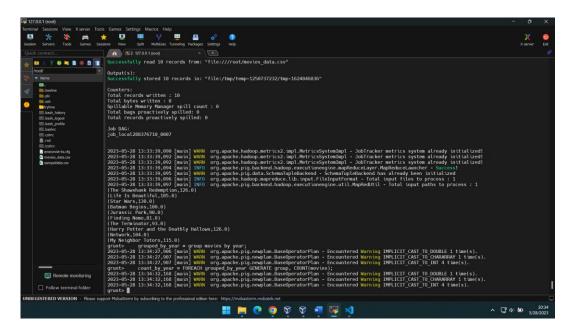
### 5. Menampilkan skema

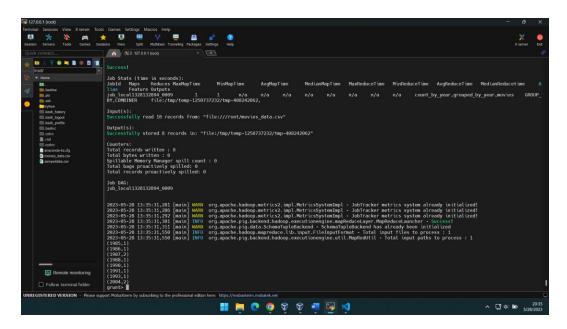


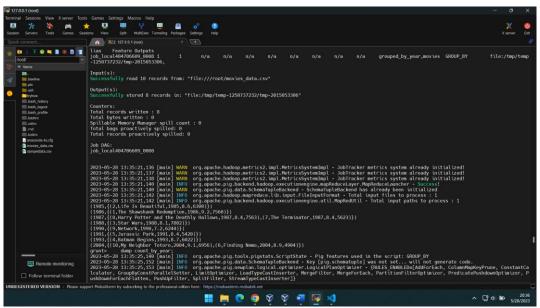
#### 6. Transformasi Data



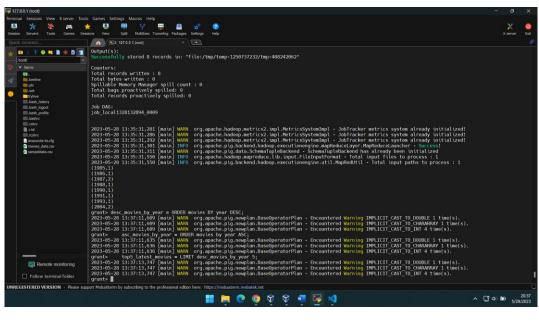
## 7. Group By Data

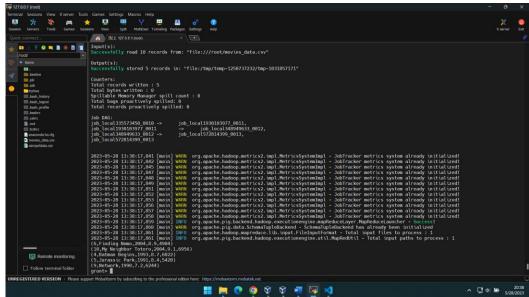




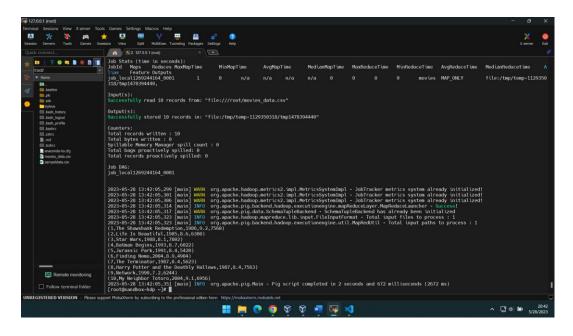


## 8. Sorting dengan order

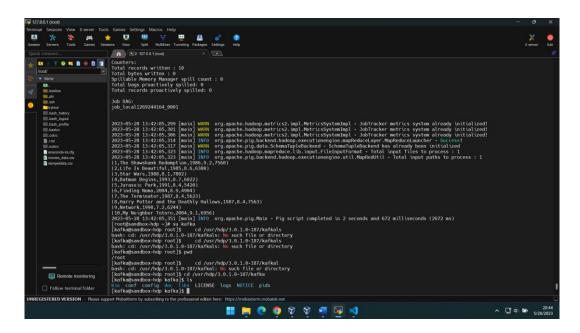




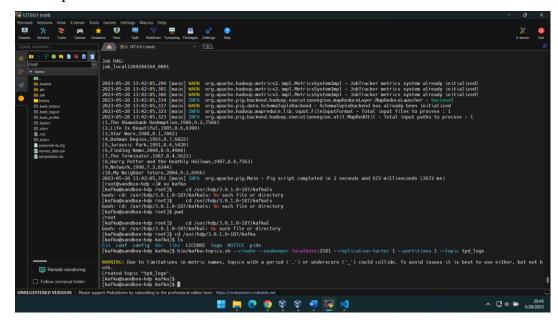
# 9. Pig Batch Mode



#### 1. Masuk ke kafka



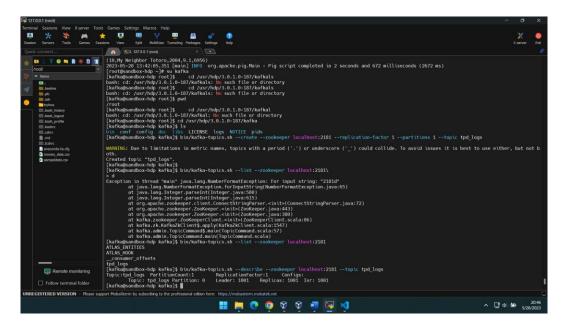
## 2. Buat topic



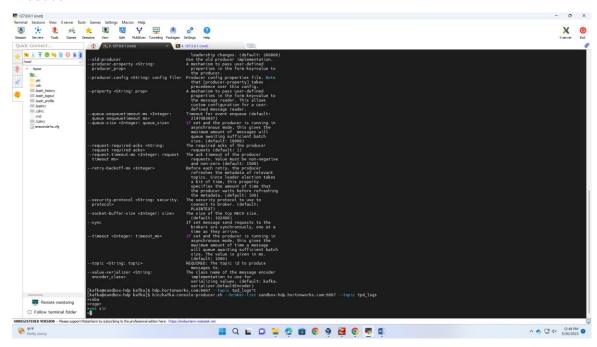
## 3. List all topic

```
| The content of the
```

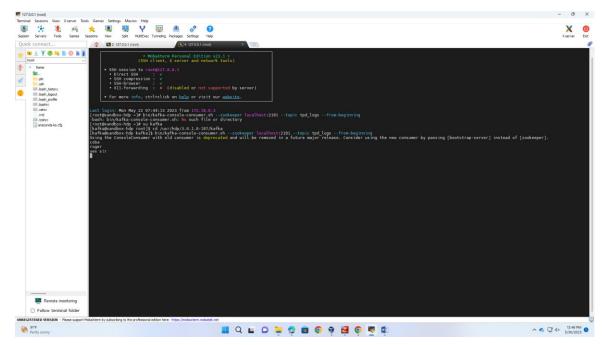
## 4. Detail topic

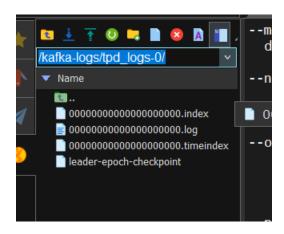


#### 5. Producer

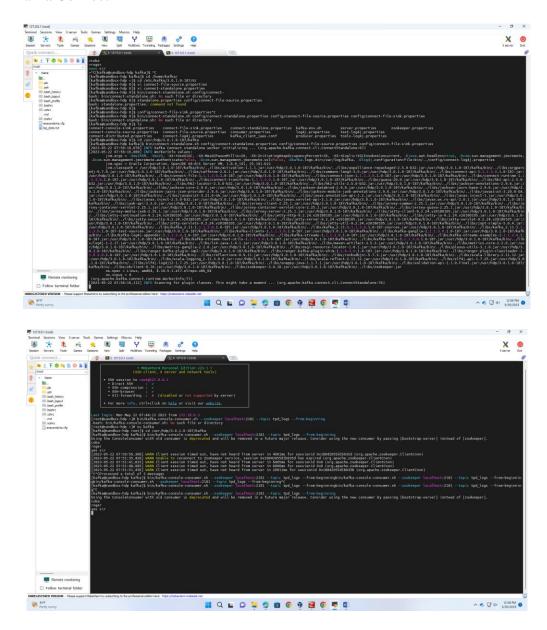


### 6. Consumer



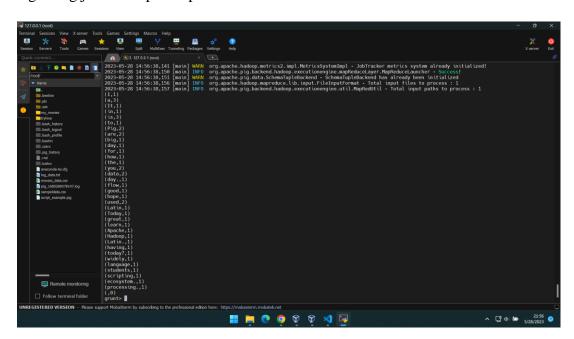


#### 7. Kafka Connect



## Penugasan

1. Lakukan pemrosesan data menggunakan Pig script (interactive atau batch) untuk menghitung jumlah tiap kata pada tulisan di bawah ini.



```
lines = LOAD 'text_data.txt' AS (line:chararray);
words = FOREACH lines GENERATE FLATTEN(TOKENIZE(line)) as word;
grouped = GROUP words BY word ;
word_count = FOREACH grouped GENERATE group, COUNT(words);
DUMP word_count;
```

2. Screenshot output messages dari Producer ke Consumer menggunakan Apache Kafka pada langkah 7 dan 9

