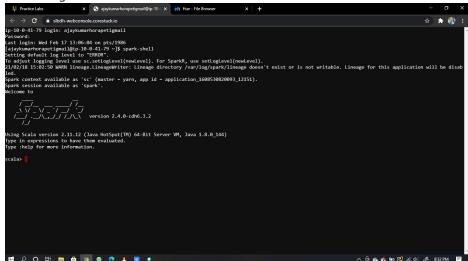
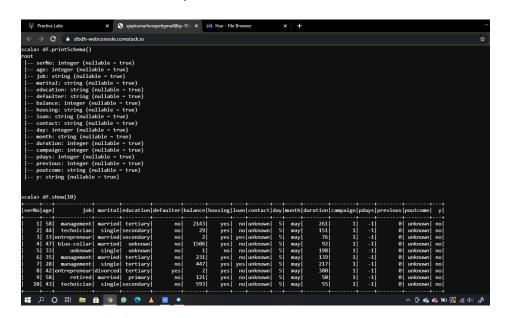
Market Analysis in Banking Domain

1. Starting SPARK SHELL

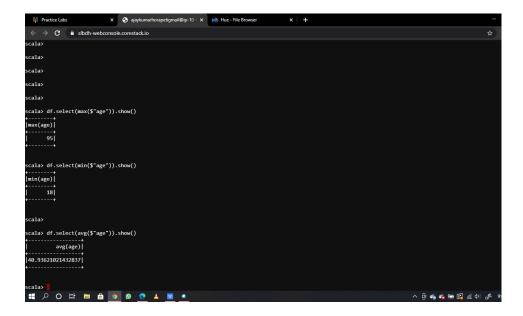


2. Load data and create a Spark data frame.

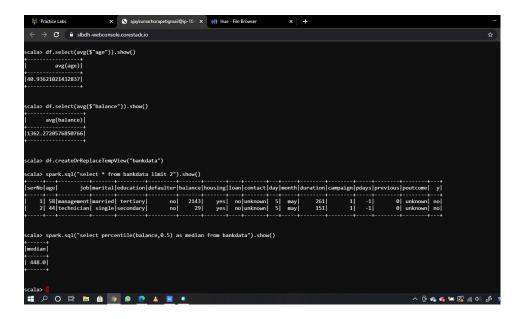


3. Give marketing success rate (No. of people subscribed / total no. of entries) - Give marketing failure rate

4. Give the maximum, mean, and minimum age of the average targeted customer



5. Check the quality of customers by checking average balance, median balance of customers



6. Check if age matters in marketing subscription for deposit

```
scala> df.groupBy("y").agg(count($"marital")).show()
| y|count(marital)
| no| 39922|
|yes| 5289|
```

7. Check if marital status mattered for a subscription to deposit

8. Check if age and marital status together mattered for a subscription to deposit scheme



9. Do feature engineering for the bank and find the right age effect on the campaign.

