# **Coding challenge**

# **Python**

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**Batch: Data Engineering 1** 

**Question2**: Execute Pyspark -sparksql joins & Applying Functions in a Pandas DataFrame.

# SparkSql:

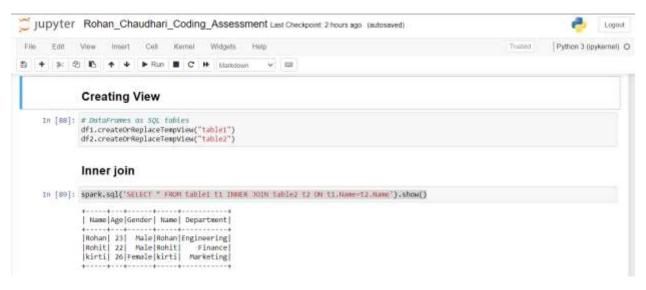
Created 2 DataFrame df1 & df2 with common column Name to perform sql operations:

```
Jupyter Rohan_Chaudhari_Coding_Assessment Last Checkpoint 2 hours ago (autosaved)

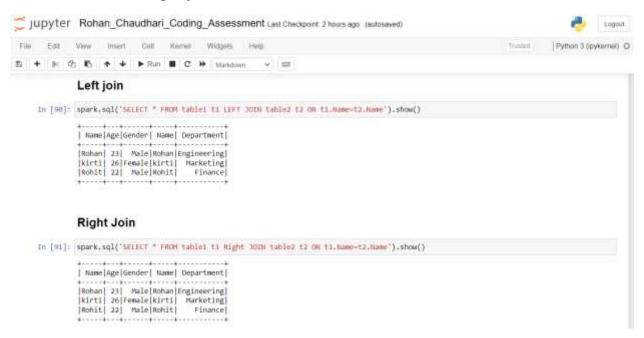
File Edit View Insert Cell Kernel Widgels Help Trusted Python 3 (python 3
```

### Created views To Perform SQL operations on DataFrame:

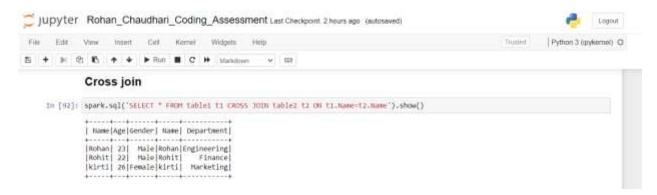
### Performed Inner join with common Column Name:



# Performed Left & Right join on Both table:

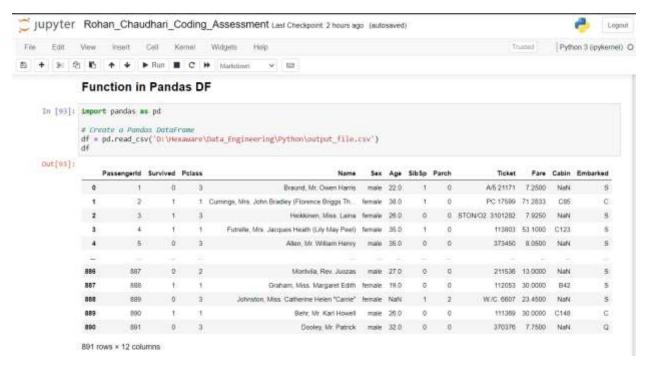


# Performed Cross Join on Table 1 and table 2:



#### **Pandas:**

Retrieved a csv file Containing 891 rows:



Created a function with help of Survived column where if row contains data as 1 then passenger is alive:

