

1. Write a pytest to compute the sum of two numbers with folder structure for maintaining
2. What is Data reconciliation?
3. Download the 3 files from below website and filter films whose release year is 2006 and find the actor names.
4. how many letters are repeated, write a python program MISSISSIPPI

[https://github.com/prashantshukla-qa/Sakila-Database-2021/blob/main/csv/film\\_actor.csv](https://github.com/prashantshukla-qa/Sakila-Database-2021/blob/main/csv/film_actor.csv)

```
import pandas as pd
```

```
# Step 1: Read the CSV files
```

```
df_film = pd.read_csv("C:/Users/Lenovo/Downloads/archive/Files/film.csv")
df_actor = pd.read_csv("C:/Users/Lenovo/Downloads/archive/Files/actor.csv")
df_film_actor = pd.read_csv("C:/Users/Lenovo/Downloads/archive/Files/film_actor.csv")
```

```
# Step 2: Filter films released in 2006
```

```
films_2006 = df_film[df_film['release_year'] == 2006]
print(films_2006[['film_id', 'release_year']])
```

```
film_actor_2006 = pd.merge(films_2006, df_film_actor, on='film_id', how='inner')
```

```
actors_in_2006 = pd.merge(film_actor_2006, df_actor, on='actor_id', how='inner')
```

```
actor_names = actors_in_2006[['first_name',
'last_name']].dropna().drop_duplicates().sort_values(by=['first_name', 'last_name'])
```

```
print(actor_names)
```

5. Python program for factorial and fibonnaci series/
6. For the String string ="dfhj\*&^&HJdf78786fsdhj&\*FSD\*hjh234jfsd78fsd"  
Count the alphabets and numbers.
7. What is LIST comprehension in python.
8. Can we modify a tuple?  
*a=(1,2,3,[4,5])*  
  
*print(type(a))*  
*a[3].append(6)*  
*print(type(a))*
9. How do you deal with a merge conflict in GitHub.
10. What are the source Validations performed in the S3 bucket.
11. a. Print minimum difference in list element : [1,5,3,19,18,25]
12. Code for handling exception in python
13. We have a file with abc.zip, unzip, csv, .jpeg from s3 bucket to snowflake. Write a python framework automation script.

## SQL

1. **Sum of negative and positive numbers in sql col1: 10 -12 -82 35 -99 33 -76**
2. POSSIBLE MATCHES BETWEEN THEM.? TEAMS col in table INDIA SOUTH AFRICA ENGLAND AUSTRALIA
3. **Display the first two decimal points in the SQL query**
4. **SQL Query to List Managers and Count Their Direct Employees:**
5. **Second highest salary for each department**
6. **Write a SQL query to separate the full name into first name middle name and last name.**
7. Materialized views in snowflake
8. Medallion Architecture.
9. find sum of amount in table  
amount  
10\$  
100\$  
3330\$