

How to run this ETL:

- 1) run the Snowflake query to create the **stages** for S3 buckets with your S3 credentials
- 2) Put your credentials for S3 and snowflake in the python script named RAVN_Coding_challenge_official.py (you can get this information in the amazon web portal related cloud services and the snowflake web portal)

S3:

```
99     aws_access_key = "xxxxxx"
100     aws_secret_key = "xxxxxxxx"
101     region = "us-east-2"
102     file_url = CSV_URL["Weather_Data_Met_Eireann"]
103     excel_csv_data = load_excel_from_url(EXCEL_URL["Cycle_Counts"])
104     bucket_name = "s3carloslinaresk81"
105     s3_file_name = f"Weather_Data_Met_Eireann_{formatted_datetime}.csv"
106     s3_excel_file_name = f"Cycle_Counts_{formatted_datetime}.csv"
107     folder_name = "s3_bucket_folder"
108     s3_excel_folder_name = "s3_excel_bucket_folder"
109     s3_folder_file_name = f"{folder_name}/{s3_file_name}"
110     s3_excel_folder_file_name = f"{s3_excel_folder_name}/{s3_excel_file_name}"
111
```

Snowflake:

```
22     SNOWFLAKE_CONFIG = {
23         "user": "xxxxxx",
24         "password": "xxxxxx",
25         "account": "xxxx",
26         "warehouse": "COMPUTE_WH",
27         "database": "ETL_DATABASE",
28         "schema": "ETL_SCHEMA",
29         "role": "ACCOUNTADMIN"
30     }
```

- 3) Run the python script named RAVN_Coding_challenge_official.py

Notes:

- A) Access keys and secret key were used for this exercise for ease of use, but there are more secure methods that should be implemented on a prod, QA and develop enviroment
- B) The daily run job in configure in Cron using this script:
Crontab -e to open a crontab in linux

