AWS – Assignment 13

Exercise 1: Redshift Service (Personal Account)

Question 1:

B1: Upload data (File txt, CSV, ... có cấu trúc) lên S3
B2: Tạo Cluster
B3: Tạo Table trong Cluster
B4: Load data ở S3 vào trong table
B5: Thực hiện query trên table

Tutorial: slide

Question 2: Federated Query to RDS

Tiếp tục question 1
B1: Tạo 1 RDS
B2: Trong cluster thực hiện query trên RDS

Tutorial: https://www.youtube.com/watch?v=COsx7UrMGL4

Question 3: Spectrum

Sử dụng Spectrum để query trên S3 mà không cần load vào Redshift table

Tutorial: https://www.youtube.com/watch?v=LoEqXc97b14

Exercise 2: Glue Service (Personal Account)

Xem tutorial:

- https://www.youtube.com/watch?v=taR2hRZ2AwI
- https://www.youtube.com/watch?v=KkN8lQ-jr58

Exercise 3: Athena Service (Personal Account)

Xem tutorial:

- S3 bucket: https://www.youtube.com/watch?v=B_bdwc6MSkg
- S3 + Glue + Athena:
  - https://www.youtube.com/watch?v=M5ptG0YaqAs
  - https://www.youtube.com/watch?v=8VOf1PUFE0I

Exercise 4: QuickSight Service (Personal Account)

Xem tutorial:

- https://www.youtube.com/watch?v=hh6ItJbCUQ0
- Part 1: https://www.youtube.com/watch?v=WfJsrVZtzH8
  Part 2: https://www.youtube.com/watch?v=CSrB_8oJ-jM
  Part 3: https://www.youtube.com/watch?v=yBOAQPD4jos

Exercise 5: Neptune Service (Personal Account)

Xem tutorial: https://www.youtube.com/watch?v=rsAKj7sMbbQ

Exercise 6: Elastic MapReduce Service (Personal Account)

Xem tutorial:

- https://www.youtube.com/watch?v=ulQdA6MUnTk
- https://docs.aws.amazon.com/emr/latest/ManagementGuide/emr-gs.html

Exercise 7: Lakehouse Architecture (Personal Account)

Xem tutorial: https://aws.amazon.com/blogs/big-data/build-a-lake-house-architecture-on-aws

Exercise 8: Remove resources

Remove các AWS resources đã sử dụng trong assignment này