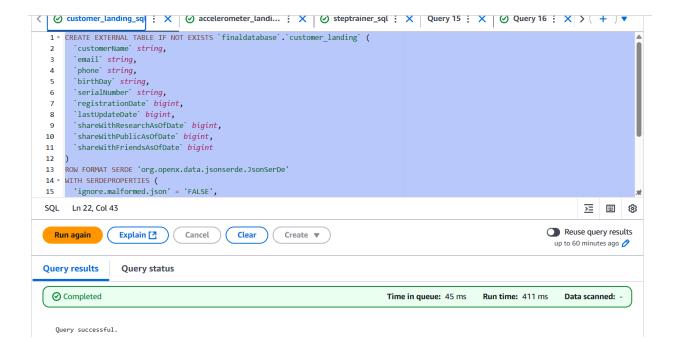
Final project

 You have decided you want to get a feel for the data you are dealing with in a semi-structured format, so you decide to create three Glue tables for the three landing zones. Share your customer_landing.sql, accelerometer_landing.sql, and step_trainer_landing.sql scripts in git.

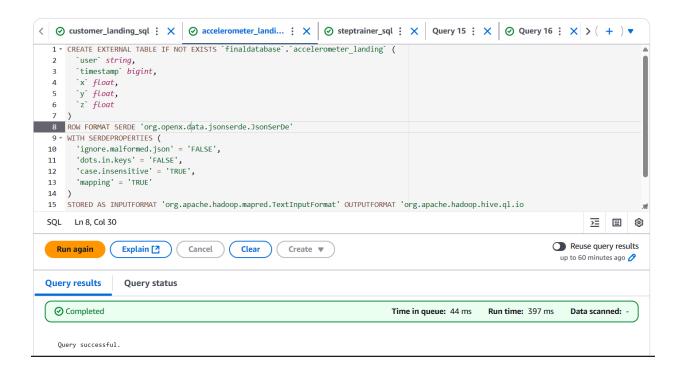
Customer_Landing:

```
CREATE EXTERNAL TABLE IF NOT EXISTS 'finaldatabase'.'customer_landing' (
 `customerName` string,
 'email' string,
 `phone` string,
 `birthDay` string,
 `serialNumber` string,
 `registrationDate` bigint,
 `lastUpdateDate` bigint,
 `shareWithResearchAsOfDate` bigint,
 `shareWithPublicAsOfDate` bigint,
 `shareWithFriendsAsOfDate` bigint
ROW FORMAT SERDE 'org.openx.data.jsonserde.JsonSerDe'
WITH SERDEPROPERTIES (
 'ignore.malformed.json' = 'FALSE',
 'dots.in.keys' = 'FALSE',
 'case.insensitive' = 'TRUE',
 'mapping' = 'TRUE'
STORED AS INPUTFORMAT 'org.apache.hadoop.mapred.TextInputFormat' OUTPUTFORMAT
'org.apache.hadoop.hive.ql.io.HiveIgnoreKeyTextOutputFormat'
LOCATION 's3://finalprojectsaleem/customer/landing/'
TBLPROPERTIES ('classification' = 'json');
```

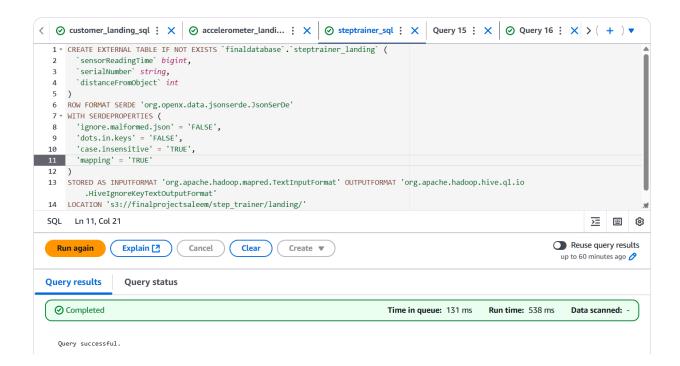


Accelerometer_landing:

```
CREATE EXTERNAL TABLE IF NOT EXISTS `finaldatabase`.`accelerometer_landing` (
 `user` string,
 'timestamp' bigint,
 `x` float.
 'v' float.
 `z` float
ROW FORMAT SERDE 'org.openx.data.jsonserde.JsonSerDe'
WITH SERDEPROPERTIES (
 'ignore.malformed.json' = 'FALSE',
 'dots.in.keys' = 'FALSE',
 'case.insensitive' = 'TRUE',
 'mapping' = 'TRUE'
STORED AS INPUTFORMAT 'org.apache.hadoop.mapred.TextInputFormat' OUTPUTFORMAT
'org.apache.hadoop.hive.ql.io.HiveIgnoreKeyTextOutputFormat'
LOCATION 's3://finalprojectsaleem/accelerometer/landing/'
TBLPROPERTIES ('classification' = 'json');
```

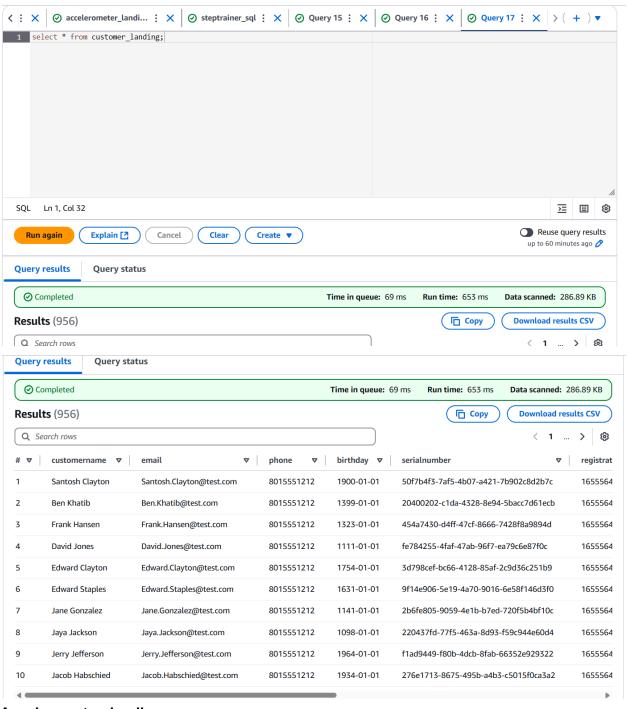


Steptrainer_landing:

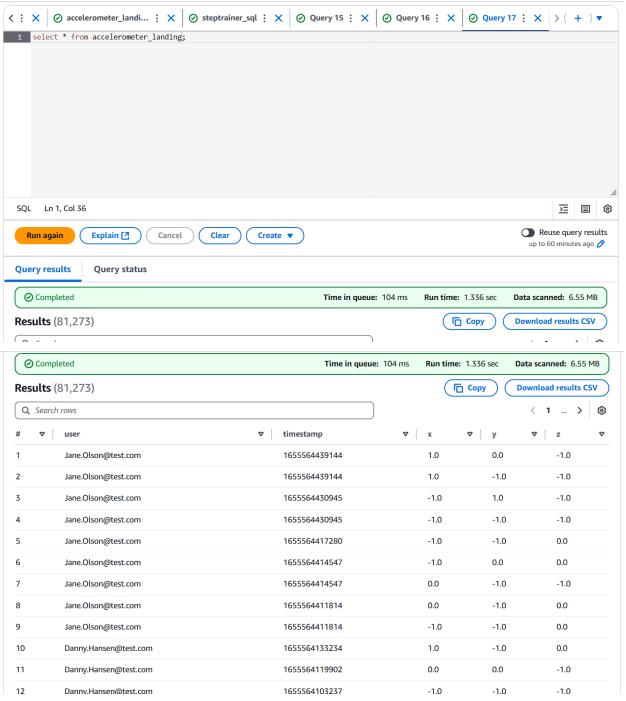


• Query those tables using Athena, and take a screenshot of each one showing the resulting data. Name the screenshots customer_landing(.png,.jpeg, etc.), accelerometer_landing(.png,.jpeg, etc.), step_trainer_landing (.png, .jpeg, etc.).

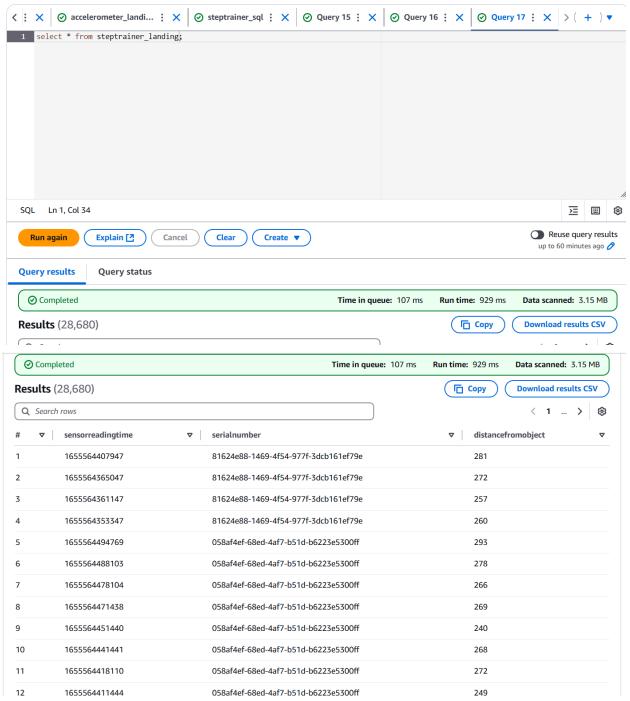
Customer_landing:



Accelerometer_landing:



Steptrainer_landing:

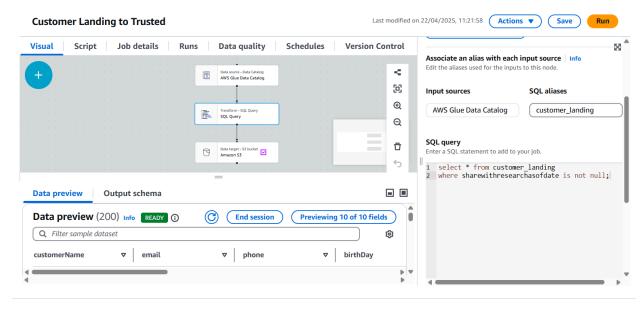


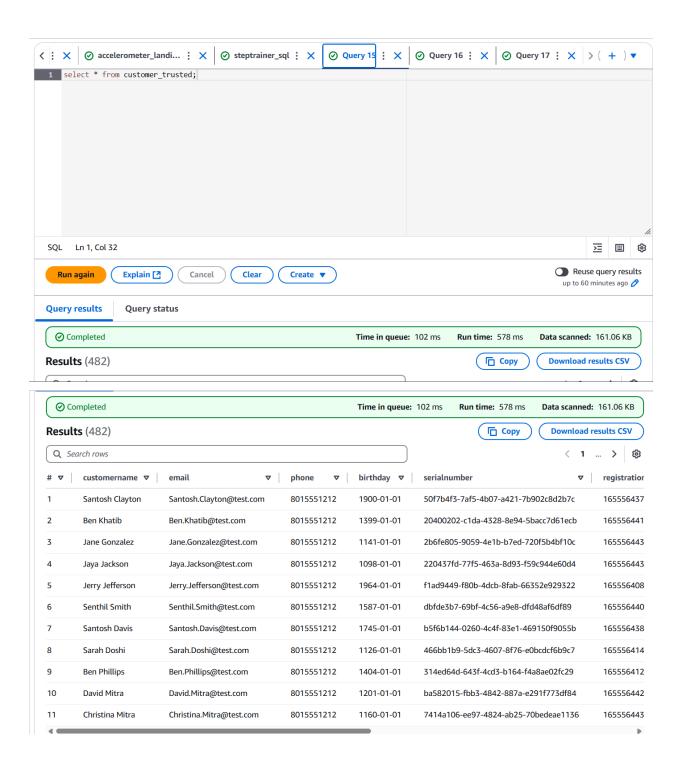
The Data Science team has done some preliminary data analysis and determined that the Accelerometer Records each match one of the Customer Records. They would like you to create 2 AWS Glue Jobs that do the following:

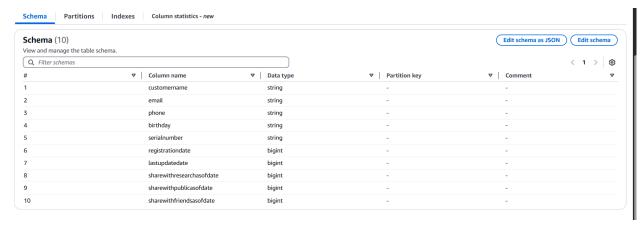
• Sanitize the Customer data from the Website (Landing Zone) and only store the Customer Records who agreed to share their data for research purposes (Trusted Zone) - creating a Glue Table called customer_trusted.

- Sanitize the Accelerometer data from the Mobile App (Landing Zone) and only store Accelerometer Readings from customers who agreed to share their data for research purposes (Trusted Zone) - creating a Glue Table called accelerometer_trusted.
- You need to verify your Glue job is successful and only contains Customer Records from people who agreed to share their data. Query your Glue customer_trusted table with Athena and take a screenshot of the data. Name the screenshot customer_trusted(.png,.jpeg, etc.).

Customer_trusted:







Accelerometer_trusted:

