Perform these SQL tasks directly on top of the RDS instance using SQL queries and submit in your report

1. Count of unique device ids in the train table

SELECT COUNT(DISTINCT device_id) AS Unique_Device_IDs_Count FROM train;

Unique_Device_IDs_Count
74645

2. Check whether there are any duplicate device ids present in the brand_device table. If yes, how many duplicates?

SELECT COUNT(device_id) AS Total_Device_IDs_Count,
   COUNT(DISTINCT device_id) AS Unique_Device_IDs_Count,
   (COUNT(device_id) - COUNT(DISTINCT device_id)) AS Duplicate_Device_IDs_Count
FROM brand_device;

Total_Device_IDs_Count	Unique_Device_IDs_Count	Duplicate_Device_IDs_Count
187245	186713	532

3. Number of unique phone brands from the brand_device table

SELECT COUNT(DISTINCT phone_brand) AS Unique_Phone_Brands_Count FROM brand_device;

Unique_Phone_Brands_Count
97

4. Count of device ids where the latitude and longitude detail are zero, from the events table

SELECT COUNT(device_id) AS Zero_LatLong_Device_IDs_Count FROM events
WHERE longitude = 0 AND latitude = 0;

Zero_LatLong_Device_IDs_Count
968675

<<< Miscellaneous Count Analysis >>>

SELECT COUNT(*) AS Total_Events_Count, COUNT(DISTINCT event_id) AS Unique_Event_IDs_Count,
COUNT(DISTINCT device_id) AS Unique_Device_IDs_Count FROM events;

Total_Events_Count	Unique_Event_IDs_Count	Unique_Device_IDs_Count
3252950	3252950	60864

SELECT COUNT(*) AS App_Events_Count FROM app_events;

App_Events_Count
32473067