**Batch Time Analysis of Transactional Data**

**Objective:**

To use AWS Big Data stack for data engineering to analyze transactions, uncover patterns, and share actionable insights

**Solution:-**

Create an S3 bucket with a unique name i.e. “jasi3”

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and upload the CSV file to the S3 bucket (ensure that the file is in UTF-8 format only).

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In order to ensure that the file is in UTF-8 format open the excel file go to save as and select UTF-8 .csv as option and save it on your desktop as shown below.

Graphical user interface, text, application

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Create a crawler to crawl the CSV data and generate a metadata catalog.For this go to AWS Glue

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and select Crawler and then fill in the details as shown below

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Now run the Crawler as it’s showing in starting phase.

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After successfully run, now you can see the “data\_utf8\_csv” file details in table catalog as shown below.

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Now go to Aws Athena

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You are able to see the data\_utf8\_csv table in Tables as shown below

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Now Query the data to identify the best-selling item and countries where customers have bought the most-sold item using Athena

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Batch Time Analysis of Transactional Data is completed and run successfully as shown above.