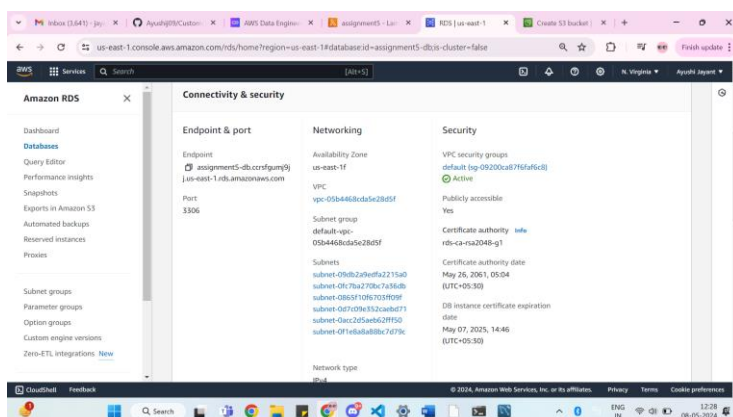
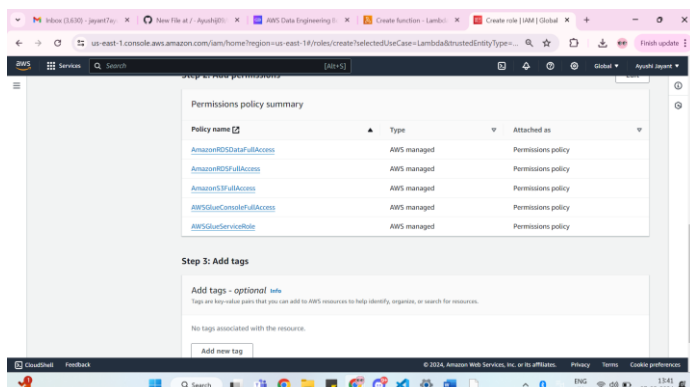
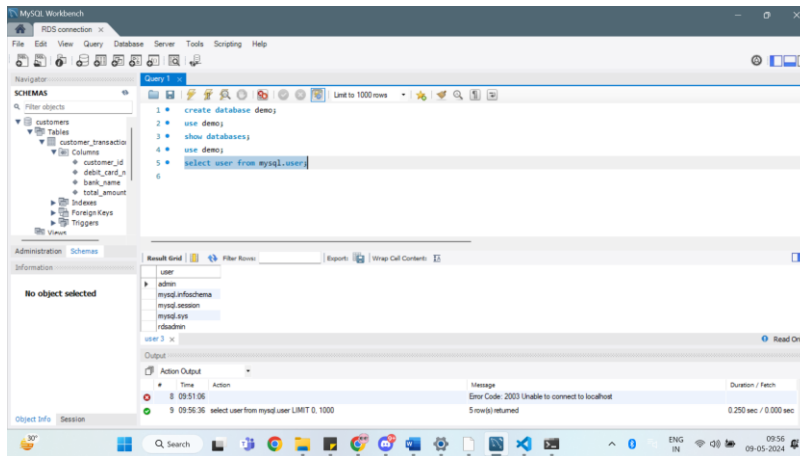
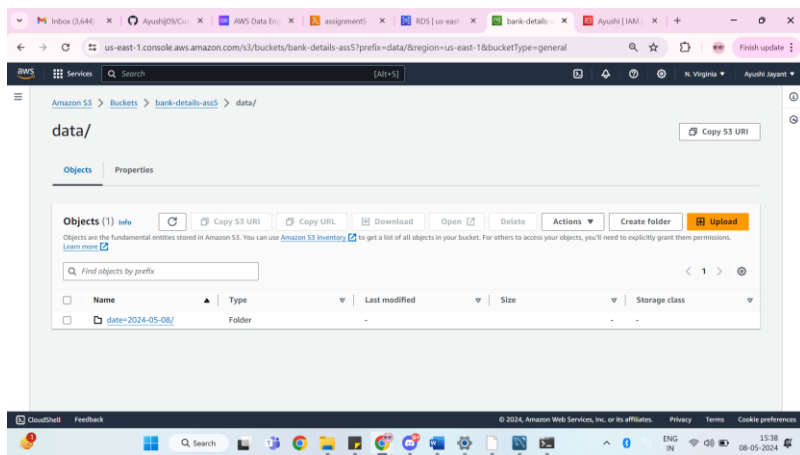
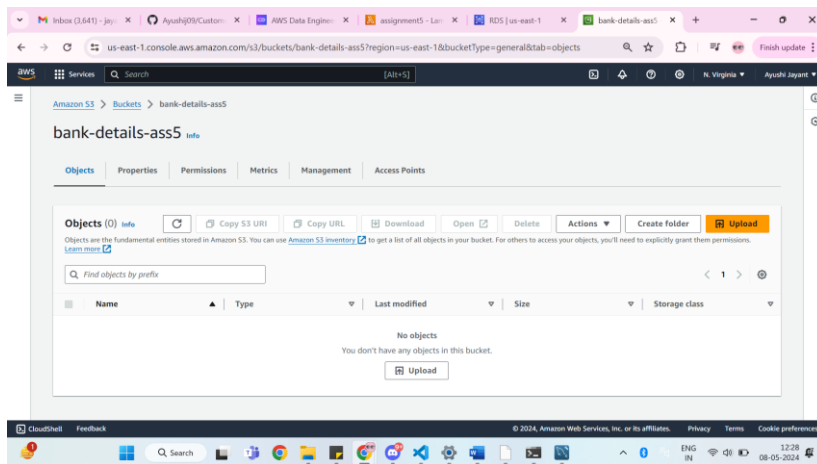
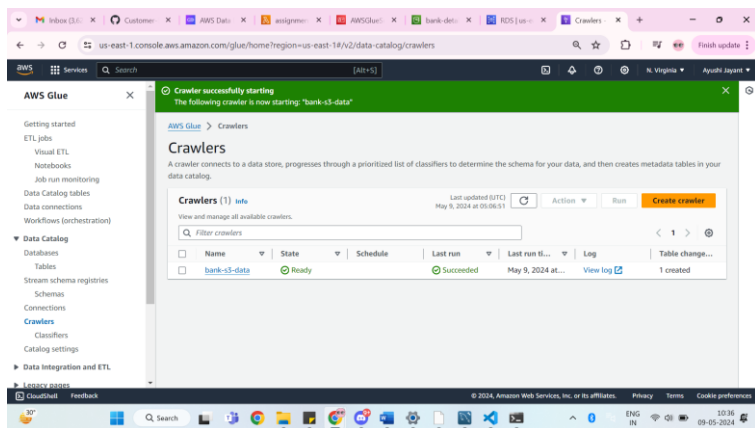
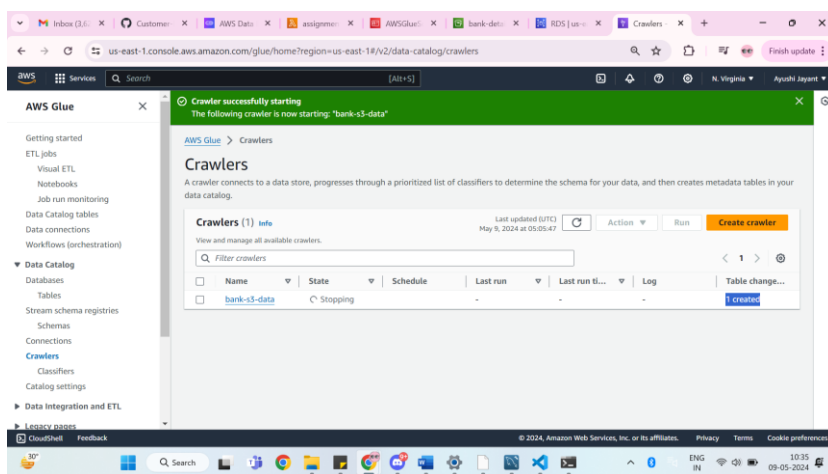
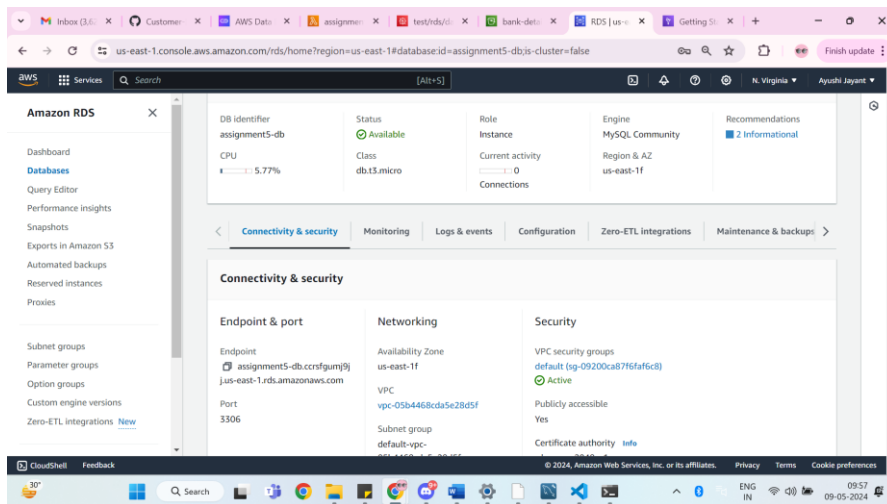


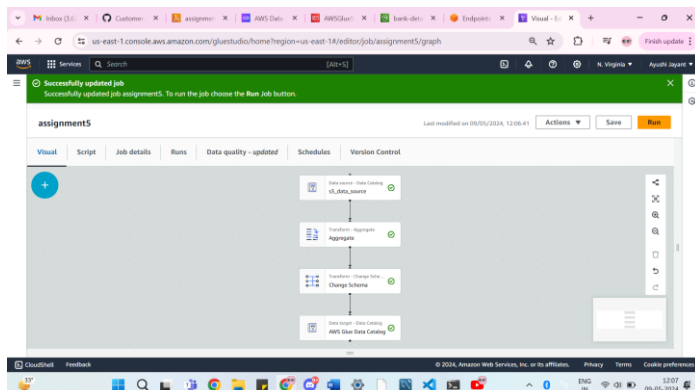
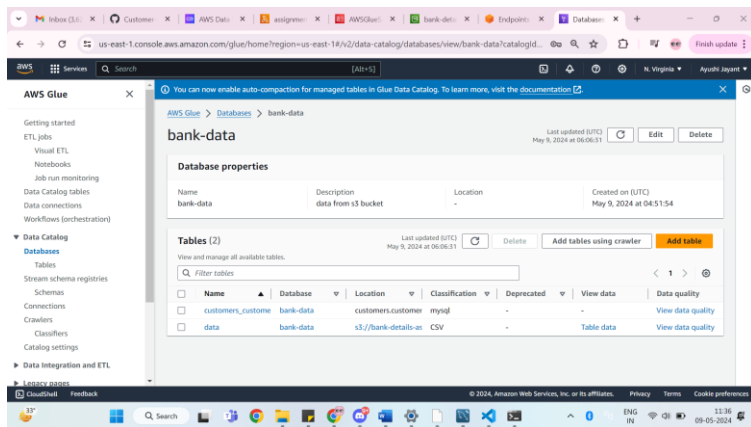
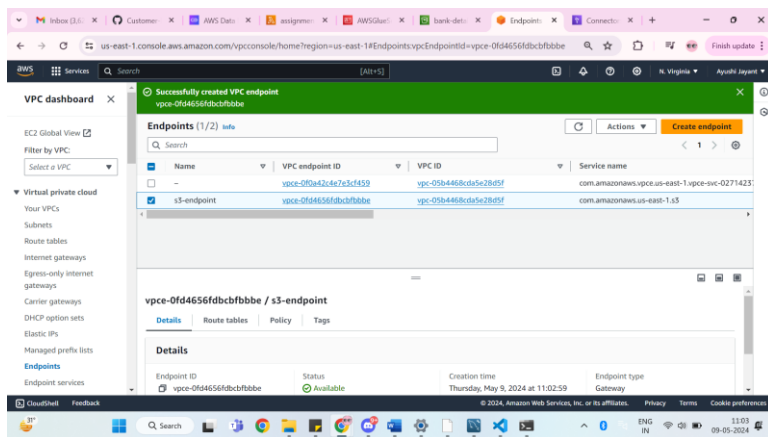
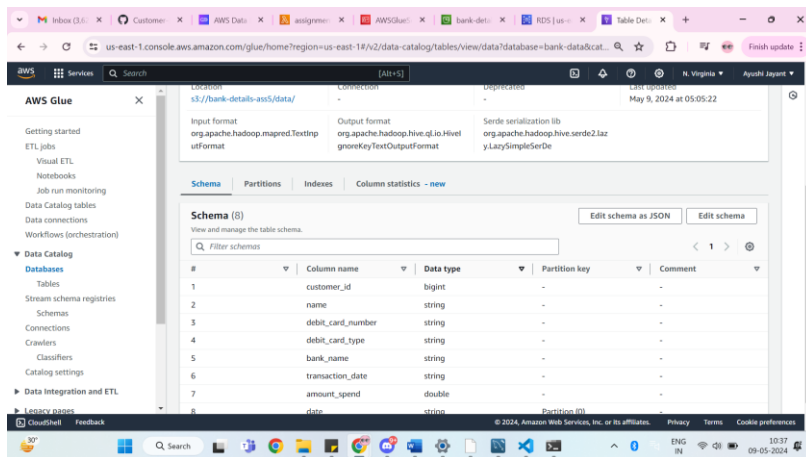
## Assignment 05 Assignment: Customer Debit Card Purchase Aggregation

- 1)created mock generator lambda
- 2)given iam role for that lambda
- 3)created rds schema for the given columns
- 4)created s3 bucket for data to be pushed from lambda into s3 in hive style partitioning
- 5)made connection to mysql workbench through rds
- 6)created database and crawler in glue
- 7)made connections, vpc endpoint for s3 bucket
- 8)created crawler for mysql
- 9)after the two crawlers have been made we created a visual etl glue job and applied all the relevant functions happening then inserted the data into mysql rds by changing schema
- 10)The job ran successfully









us-east-1.console.aws.amazon.com/gluestudio/home/region=us-east-14/editor/job/assignment5/runs

### AWS Glue

assignment5 Last modified on 05/09/2024, 12:36:05 Actions Save Run

Visual Script Job details **Runs** Data quality - updated Schedules Version Control

**Job runs (1/2) info** Last updated (UTC) May 9, 2024 at 07:14:43 View details Stop job run Table View Card View

Filter job runs by property

Run status	Retries	Start time (Local)	End time (Local)	Duration	Capacity...	Worker type
<span>Success</span>	0	05/09/2024 12:36:14	05/09/2024 12:37:47	1 m 18 s	10 DPU's	G.1X
<span>Failed</span>	0	05/09/2024 12:14:26	05/09/2024 12:16:03	1 m 16 s	10 DPU's	G.1X

**Run details** Input arguments (10) Continuous logs Run insights Metrics Spark UI Rewind job bookmark

Job name	Start time (Local)	Glue version	Last modified on (Local)
assignment5	05/09/2024 12:36:14	4.0	05/09/2024 12:37:47
Id	End time (Local)	Worker type	Log group name
j_r_3d5dc76afdc394406f4c8a1cf8875705/09/2024 12:37:47	05/09/2024 12:37:47	G.1X	/aws-glue/jobs

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### MySQL Workbench

RDS connection

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

- customer\_transactions
  - customer\_id
  - debit\_card\_number
  - bank\_name
  - total\_amount\_spend

Information

Column: total\_amount\_spend

Definition: total\_amount\_spend decimal(10,2)

Query 1

```
1 create database demo;
2 use demo;
3 show databases;
4 use demo;
5 select user from mysql.user;
6 show tables;
7 use customers;
8 show tables;
9 select * from customer_transactions;
10
```

Result Grid

customer_id	debit_card_number	bank_name	total_amount_spend
618432576	7904-1488-4354-5739	Wells Fargo	11.91
60707674	3507-8324-6946-9796	Chase	86.38
37905183	1598-4657-6440-3623	Wells Fargo	10.56
139331987	1598-8123-8636-7926	PHC	29.14
607624207	6079-3329-7767-1426	PHC	39.66

Output

Action Output

#	Time	Action	Message	Duration / Fetch
12	11:16:51	show tables	1 row(s) returned	0.313 sec / 0.000 sec
13	12:38:35	select * from customer_transactions LIMIT 0, 1000	20 row(s) returned	0.226 sec / 0.000 sec

Object Info Session