Contains:

1. ProgAssign4-AWS(Intro).docx
2. Consumer\_Complaintss.csv
3. in progress.png
4. imp assign 4-.txt
5. todayimp4-5.py
6. instance close.png
7. instance close2.png

Steps Involved in deploying and executing the AWS(Introduction)(EC2,RDS,S3):

1. Create an EC2 instance(t2.micro-Linux)
2. Create an RDS instance
3. Create a user with administrator access in the IAM. And download the credentials.csv
4. Connect with the EC2 instance using the private key(.pem) using putty.
5. Open the RDS through EC2 instance using the endpoint url of the RDS as hostname.
6. Create database ebdb;
7. Install MySQL-python,python-memcached and other libraries if not installed (check using pip freeze)
8. Use WinSCP to place the .csv and .py file into the project directory in EC2 instance.
9. Run the py file using command python filename.py

Issue Faced during implementation:

1. The system used to turn off multiple times and all data files used to get lost
2. Hence needed to configure EC2 everytime a new instance was created
3. A screenshot is attached showing the terminated instances.
4. Placing 50000+ records in the DB and running multiple queries used to slow down the ‘without memcached’ resultset generation. Time can be seen in the screenshots
5. The imp assign4.txt shows timing for 1000 queries with and without memcached.
6. Also it shows the system is going down message.