# Pre-Prep –

- Create a empty S3 bucket named mydmsbucketforcsv
- Launch a MySQL RDS instance in the default VPC ( or your custom VPC)
  - Use free tier, db.t2micro with MySQL version 5.7.x
- Launch a Amazon Linux EC2 instance in the same VPC and AZ. Open inbound ports 22 and 3306 in its security group
- Modify RDS security group to provide access to EC2 Security Group and VPC's default security group on port 3306
- SSH in your EC2 instance and change to root user
- Install MySQL client
  - Command to install MySQL client – sudo yum install mysql
- Create database called LIBRARY and a table named books. Insert a few records in the books table
  - You can find MySQL.txt @ https://github.com/[illegible]/MySQLtoS3.git

# Steps to migrate data from MySQL to S3-

- ❑ Create an IAM role that provides read-write access to S3 and RDS. Note the arn
- ❑ Go to AWS Database Migration Services (DMS)
- ❑ Create a replication instance – db.t2.micro ( this can incur charges)
- ❑ Create a source endpoint for MySQL Table and test the MySQL end point
- ❑ Create a target end point for S3 bucket. Test the S3 end point
- ❑ Create a Task to migrate the data. Select MySQL as the source end point and S3 as the target end point
- ❑ Run the Task
- ❑ A .csv should be created in the S3 bucket under the folder - LIBRARY/books