**QUESTION 2:**

Create an rds connection with ec2 instance and use it to create an sql database and a sample table.

**CREATE DATABASE:**  
STEP 1:  
Open the Amazon RDS. Choose Databases.

STEP 2:

Choose Create database, then choose Standard create.

STEP 3:  
Choose the Engine type. Here we are using MySQL. Choose the DB instance size(Free tier).

STEP 4:  
Give the DB instance name. Give the Master Username.

For the password purpose, you can either choose the auto generated password or you can use the custom password.

STEP 5:  
Review the setting and configuration and click on create database.

**LAUNCH THE EC2 INSTANCE:**

STEP 1:

Click on launch Instance.

STEP 2:

Choose the AMI. Here we are choosing the Amazon Linux 2 AMI(HVM)- Free tier.

Choose the instance type. And choose the existing key pair or create a new one.

STEP 3:

Edit the network settings.

Make sure that both the database and the instance must be in the same VPC.

Also make sure that the subnet regions of both are same, or else charges may be applied.

Enable the auto-assign public IP.

Edit the other inbound rules and other configurations.

STEP 4:

Now launch the instance.

**CONNECTING THE DATABASE WITH EC2 INSTANCE:**

STEP 1:

Now go to connectivity and security in the created database.

There copy the end point & port. Scroll down and go to Connected compute resources.

STEP 2:

Select “set up EC2 connection”. There selected the EC2 instance that we have created and click on continue.

STEP 3:  
Review and confirm the connection.

Now we have successfully connected our database with EC2 instance.

STEP 4:

Now connect to your EC2 instance via ssh.

STEP 5:

Now run the command “ sudo su “ to move to root user.

“yum update -y” to update.

STEP 6:  
Now install the MySQL Command Line using the command, “yum install mariadb”.

STEP 7:  
From the end point and the port number that we have previously copied, run the command,

“mysql -h endpoint -P 3306 admin -p”

Now we got connected to the MySQL database.

STEP 8:  
Run the sql command and perform the operations.