**3.Create an RDS connection with EC2 instance and use it to create an SQL database and a sample table.**

RDS:

RDS stands for Relational Database Service.

It makes it easy to setup, operate and cale relational databases in cloud.

It is a managed SQL database service provided by AWS.

RDS facilitates the deployment and maintanence of relational databases in the cloud.

It is not a database, it is a service.

Go to the amazon RDS in management console.

Create a database

And select the SQL configuration database engine

Configure the instance settings, like instance identifier, master username and password

Then click create database

Now,

Launch the instance with the same vpc.

Click on launch instance, then name for the instance, select AMI and give the security group and launch the instance.

Go the RDS database and setup it with EC2 connection

Now copy the SSH client command of the ec2 instance

Open the command prompt:

Paste it in the terminal

Commands:

* sudo yum update -y
* sudo yum install mariadb

and the command to connect to your RDS instance

* mysql -h <rds-endpoint> -P <portnumber> -u <username> -p

then enter the password we created

now create a new database

* CREATE DATABASE <db-name>;

Now to use the database

* USE <db-name>;

Sample table:

CREATE TABLE sampletable(

id INT,

name VARCHAR(50),

age INT

);

To shows the tables the command : SHOW TABLES;

To insert data in table: INSERT INTO sampletable (name) values (‘JK’);

To show the data in tables: SELECT \* FROM <tablename>