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

**Step1**: Create an RDS instance in the AWS Management Console. Choose a database engine that we want to use, and configure the instance settings like DB instance identifier, username, password, and security group. Also, make sure to note down the endpoint of our RDS instance.

**Step2**: Launch an EC2 instance in the same VPC as your RDS instance. Make sure to choose the correct security group that allows inbound traffic from our RDS instance.

**Step3**: Connect to your EC2 instance using SSH, and install the required client software to connect to your RDS instance

**Step4**: For example, you can install the MySQL client using the following command

**sudo yum install mysql**

**steps5**:after the connection of ec2 I have pasted the command that we copied in the ssh client.

**Step6**: Once you have installed the client software, you can connect to your RDS instance using the following command

Replace <rds-endpoint> with the endpoint of our RDS instance, and <username> with the username you configured for our RDS instance. we will be prompted to enter the password

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

then after that the password that we have created

**step7**: Once we are connected to your RDS instance, we can create a new database using the following command

**CREATE DATABASE <database-name>;**

**Step8**: Replace <database-name> with the name you want to give your database.

**Step9**:we can use the command to use the database name we want

**USE <database-name>;**

**Step10**:sample table created

**CREATE TABLE students(**

**Id INT,**

**Name VARCHAR(20),**

**Age INT**

**);**

**Step11**: we can insert some sample data

**INSERT INTO sample\_table(name,age) VALUES**

**(‘john’,25),**

**(‘joe’,24),**

**(‘joy’,’30’);**