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

**RDS(Relational Database Service):** Amazon Relational Database Service (RDS) is a managed SQL database service provided by Amazon Web Services (AWS). Amazon RDS supports an array of database engines to store and organize data. It also helps with relational database management tasks, such as data migration, backup, recovery and patching.

Amazon RDS facilitates the deployment and maintenance of relational databases in the cloud. A cloud administrator uses Amazon RDS to set up, operate, manage and scale a relational instance of a cloud database. Amazon RDS is not itself a database; it is a service used to manage relational databases.

**Steps to create RDS connection with EC2 instance:**

**Steps1:** Now Firstly we create an EC2 instance with the name of durgards and choose an AMI as Amazon Linux Kernel

**Step2:** Now choose the type of Instance and key pair.

**Step3**: After that edit network settings and configure the instance and launch the instance.

**Step4**: Now we have to create a Database by choosing a database creation method as **Easycreate**

**Step 5:** Select the type of database like mysql,mariadb,etc. Here we select the mysql and choose the edition as mysql community.

**Step6**:Now choose DB instance size as Free tier.

**Step 7:** Now choose DB instance identifier as database-1 and master username as admin and configure the master password and create the database.

**Step8**: Now connect rds with the ec2 by using the actions of the database and select the set up ec2 connection.

**Step 9:** Select the EC2 instance and confirm the connection.

**Step 10:**Connect the EC2 instance using ssh and update the packages using the command sudo yum update -y

**Step 11:**After that install the my sql using the command sudo yum install mysql.

**Step12:** Now configure the mysql server as mysql -h database-1.czx6nxae6udq.ap-south-1.rds.amazonaws.com -P 3306 -u admin -p

Here -h: Hostname

-P:PortNo

-u: Username

-p:Password

**Step 13:** Now create a sample database using the command **create database databasename;**

**Step 14:** After creating database use the database to create tables using **use database name;**

**Step 15:** Now create table using the following command

**create table tablename (**

**roll int,**

**name varchar(200)**

**);**

**Step 16:** Now insert values in the table

**insert into tablename(column1,column2) values(value1,value2);**

**Step 17:** To see the values in the table use the following command.

**Select \* from tablename;**