



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

**Enterprise Standards and Best Practices for IT Infrastructure**

**4<sup>th</sup> Year 2<sup>nd</sup> Semester 2014**

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Practical Session: WE Friday

Practical Number : Lab 02

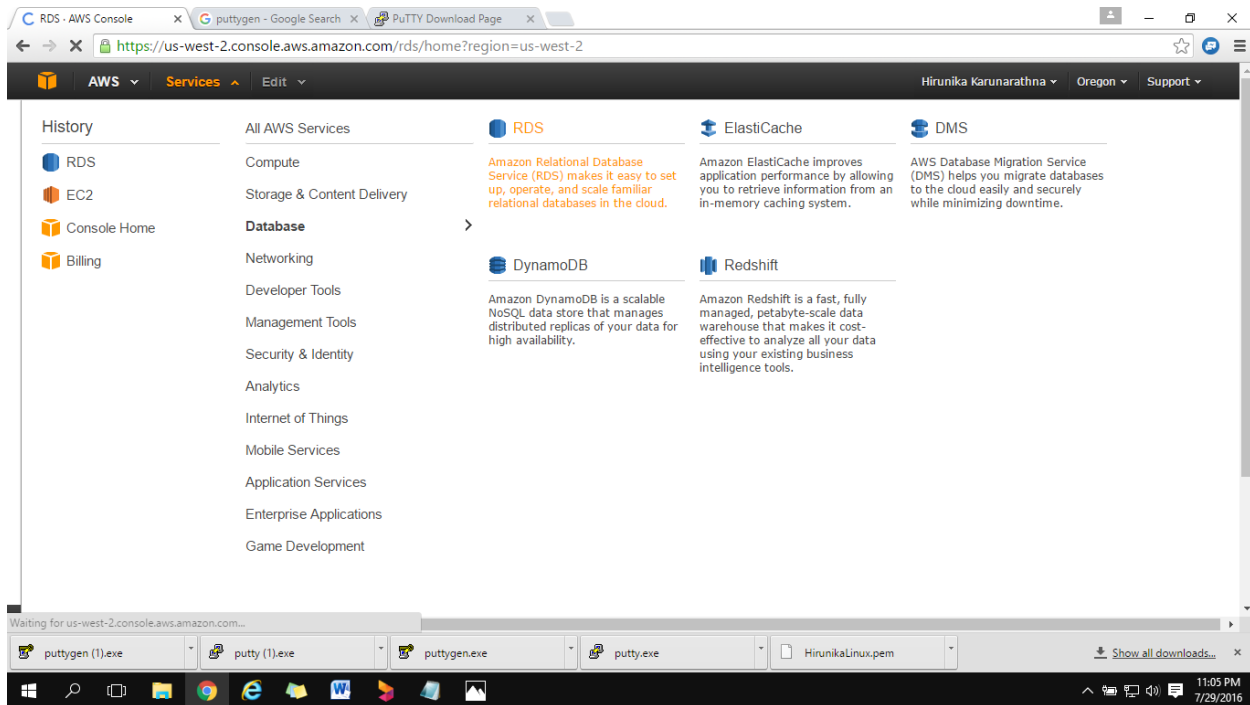
Date of Submission: 29/07/2016

Date of Evaluation : \_\_\_\_\_

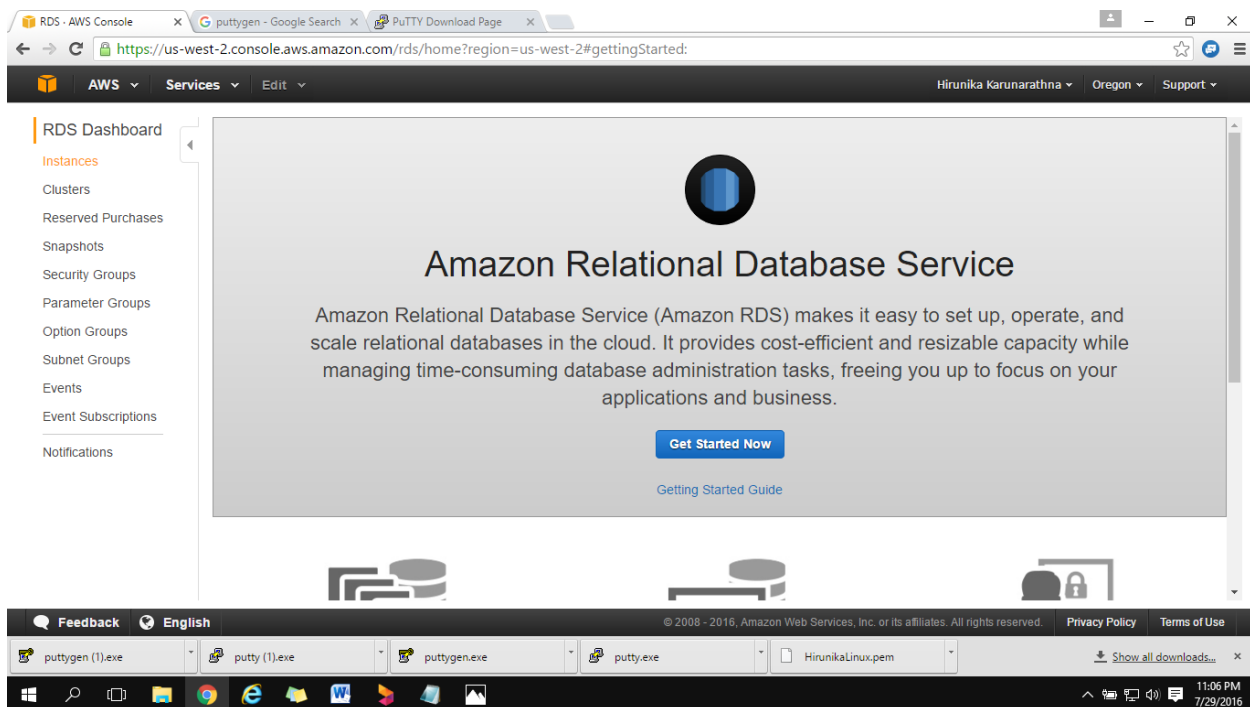
Evaluators Signature : \_\_\_\_\_

## Create DB Instance

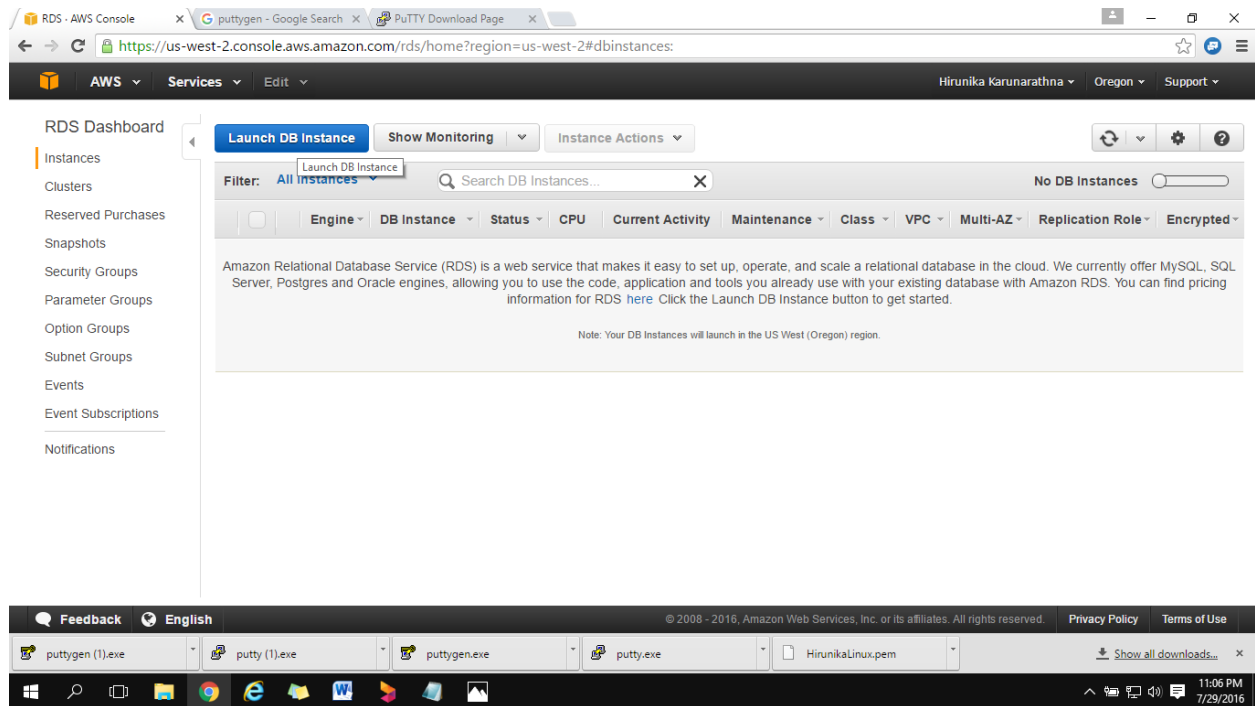
Click on the services => Database => RDS



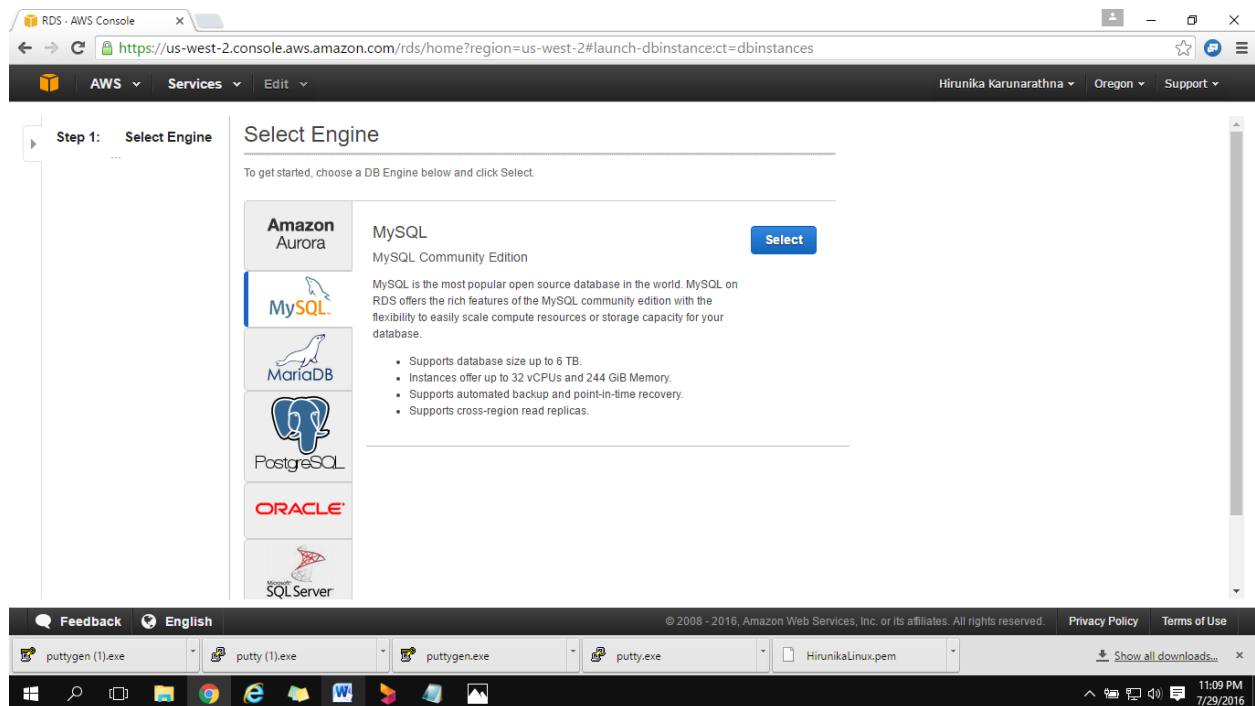
Click on Instance link in left hand side in the screen



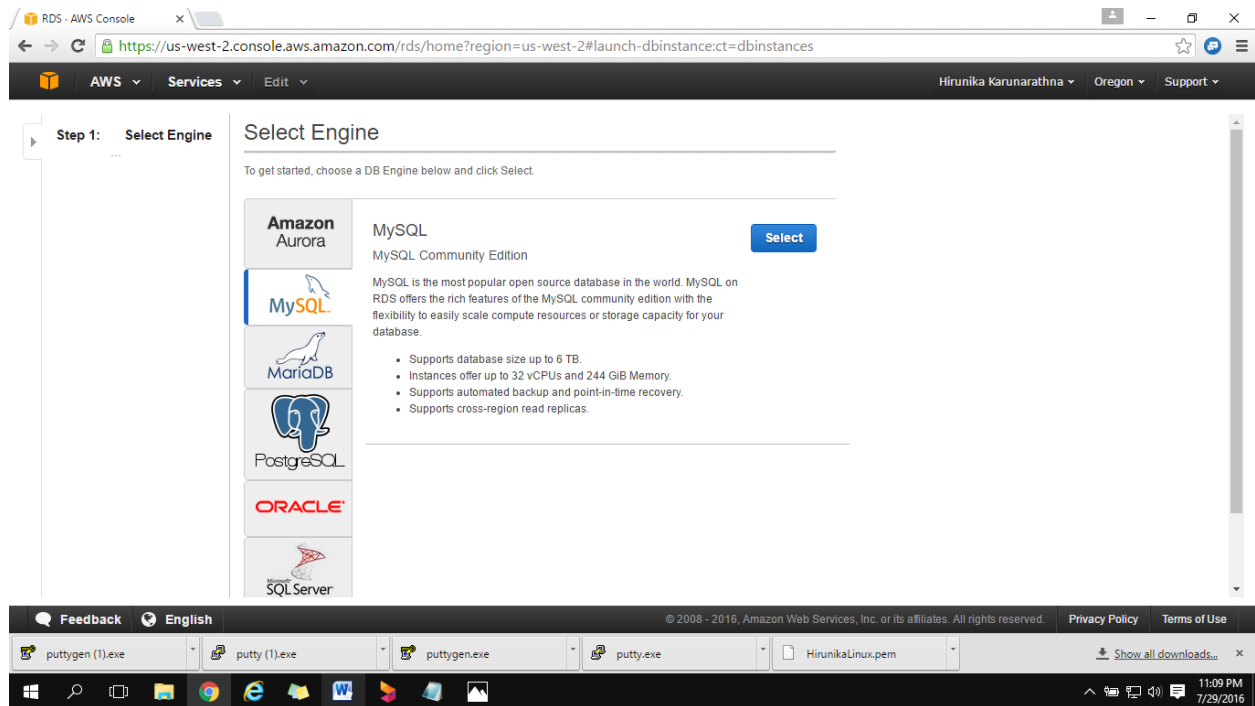
## Click on Launch DB instance



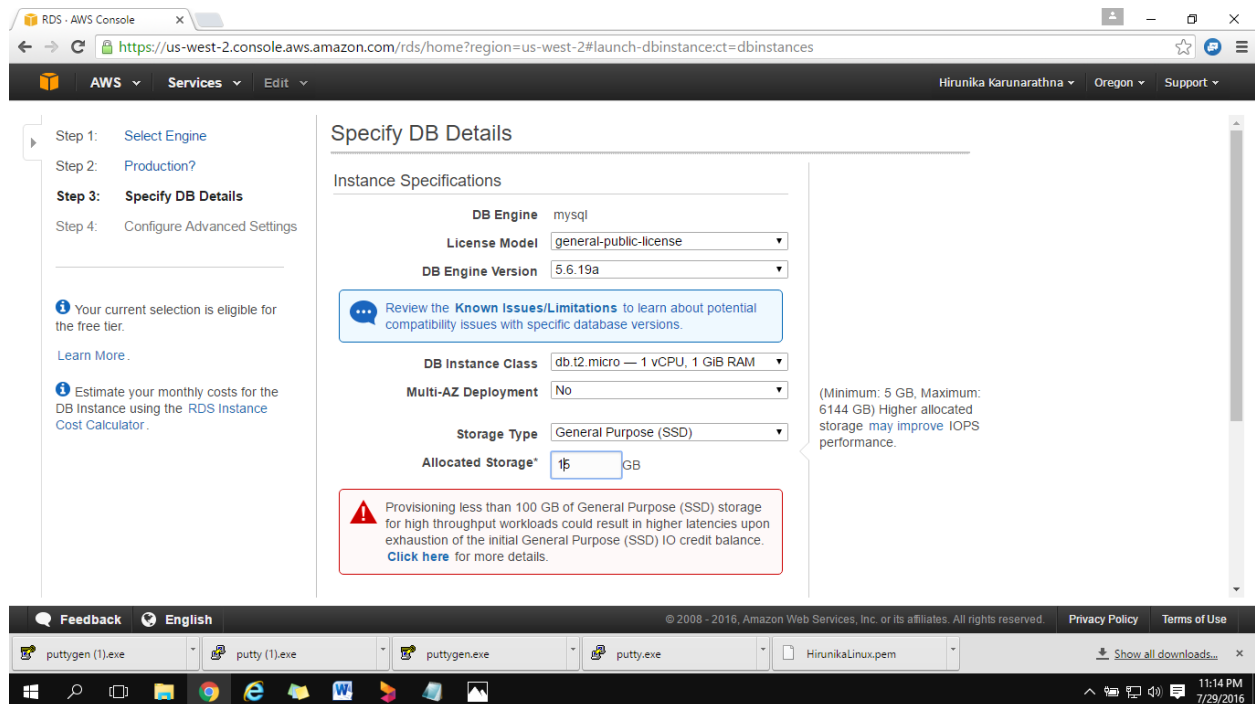
## Select MySQL from the list



Click MySQL Radio button. Click next step



Change DB Engine version as “5.6.19a”, select value change DB instance class, select No to Multi-AZ deployment, Allocated storage 15GB



Fill setting details. Click Next step

Estimate your monthly costs for the DB Instance using the [RDS Instance Cost Calculator](#).

**Multi-AZ Deployment** No

**Storage Type** General Purpose (SSD)

**Allocated Storage\*** 15 GB

**Warning:** Provisioning less than 100 GB of General Purpose (SSD) storage for high throughput workloads could result in higher latencies upon exhaustion of the initial General Purpose (SSD) IO credit balance. [Click here](#) for more details.

**Settings**

**DB Instance Identifier\*** ESBPiILab2

**Master Username\*** Hirunika

**Master Password\*** .....

**Confirm Password\*** .....

Retype the value you specified for Master Password.

\* Required

Cancel Previous **Next Step**

System will navigate to Configure Advanced Settings screen.give data base name which we provided early step “ESBPiILab2”

**Database Options**

**Database Name** ESBPiILab2

Note: If no database name is specified then no initial MySQL database will be created on the DB Instance.

**Database Port** 3306

**DB Parameter Group** default.mysql5.6

**Option Group** default.mysql5-6

**Copy Tags To Snapshots** ☐

**Enable Encryption** No

**Backup**

Please note that automated backups are currently supported for InnoDB storage engine only. If you are using MyISAM, refer to detail [here](#).

**Backup Retention Period** 7 days

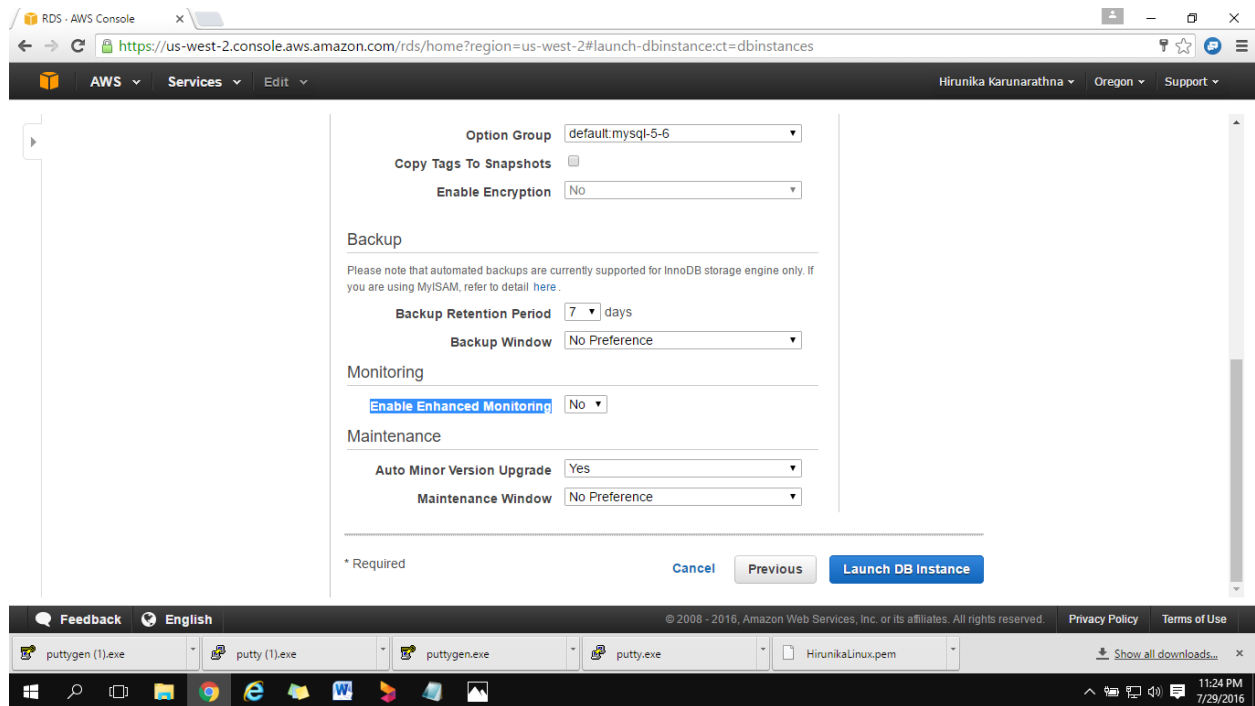
**Backup Window** No Preference

**Monitoring**

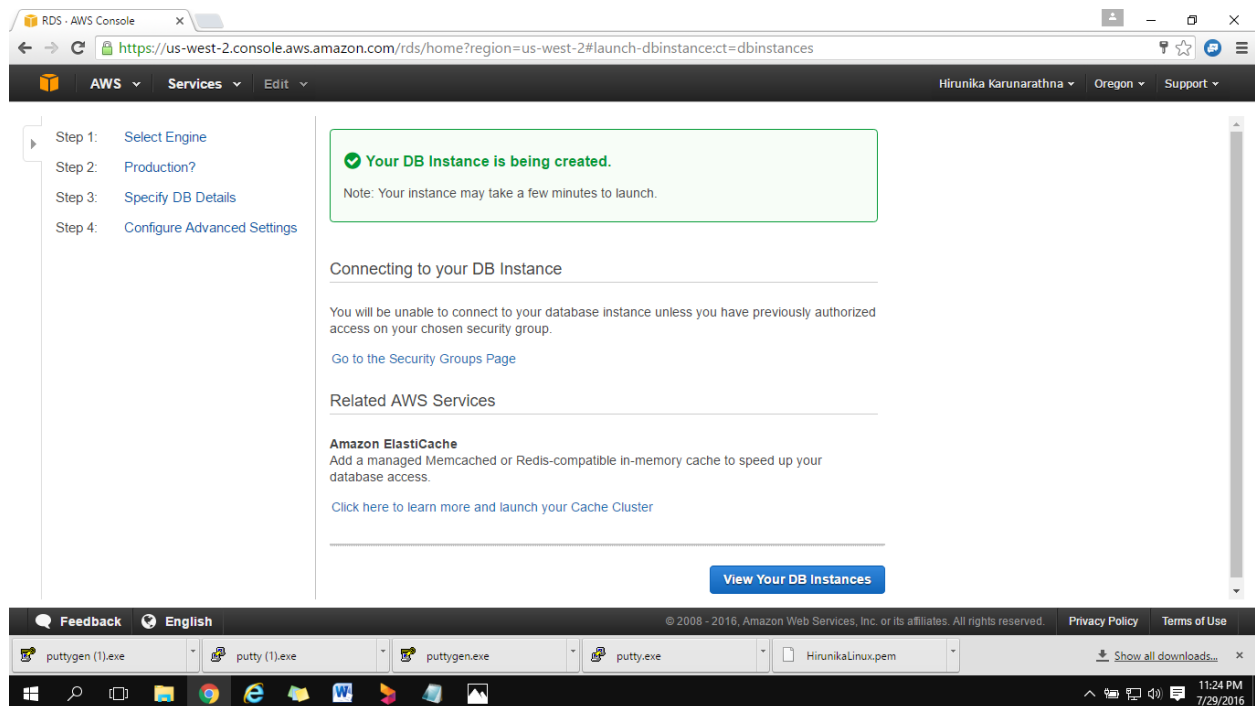
**Enable Enhanced Monitoring** Yes

define the name given to a database that Amazon RDS creates when it creates the DB Instance, as in "mydb". If you do not specify a database name, Amazon RDS does not create a database when it creates the DB instance.

## Enable Enhanced Monitoring should be No.Click Launch DB Instance



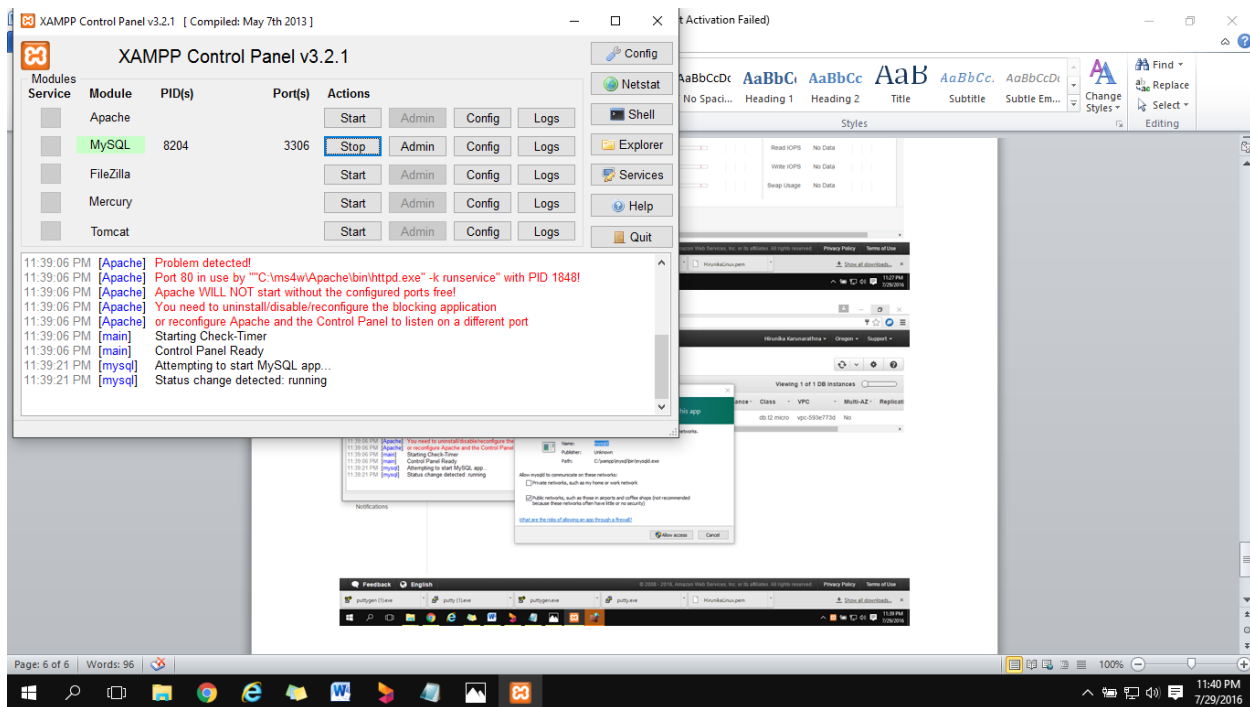
## Click "View Your DB Instances"



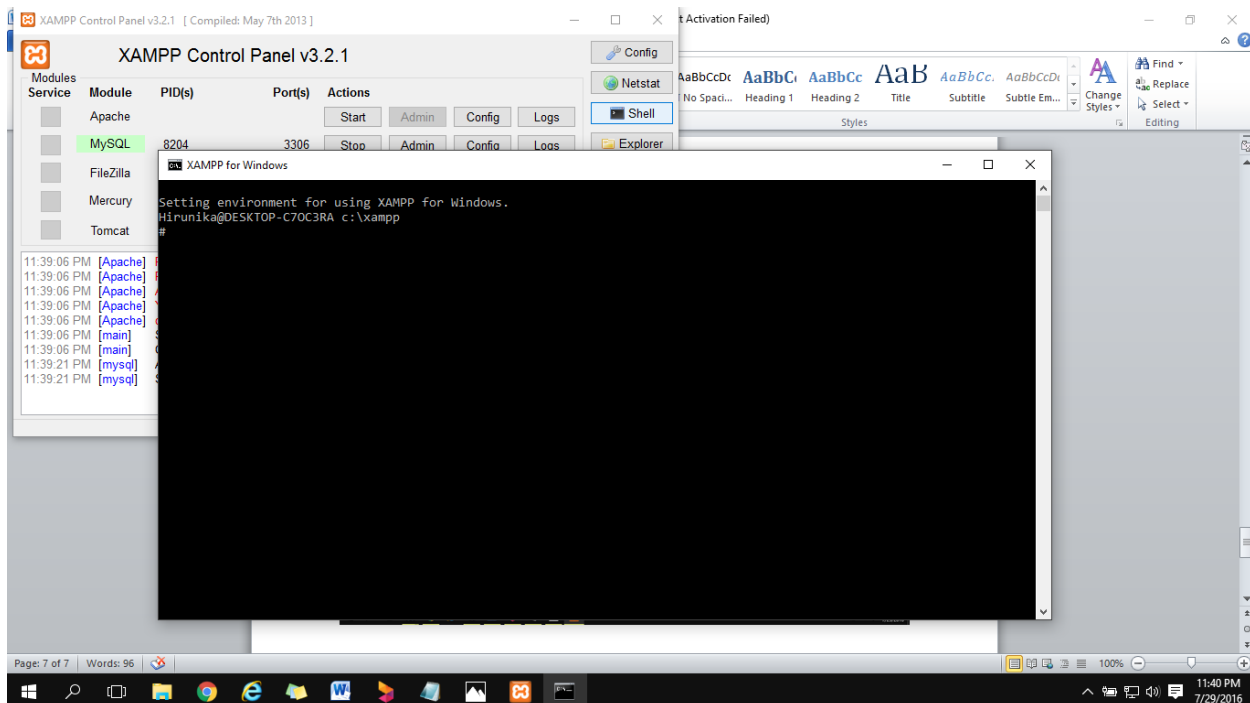
The screenshot displays the AWS RDS Console interface. The top navigation bar includes the AWS logo, 'Services', 'Edit', and user information 'Hirunika Karunaratna' in the 'Oregon' region. The left sidebar lists navigation options: Instances, Clusters, Reserved Purchases, Snapshots, Security Groups, Parameter Groups, Option Groups, Subnet Groups, Events, Event Subscriptions, and Notifications. The main content area is titled 'RDS Dashboard' and shows 'Viewing 1 of 1 DB Instances'. A table lists the instance details: Engine (MySQL), DB Instance (esbpi1ab2), Status (available), CPU (0.83%), Current Activity (1 Connections), Maintenance (None), Class (db.t2.micro), VPC (vpc-593e773d), and Multi-AZ (No). Below the table, the 'Endpoint' is shown as 'esbpi1ab2.cf0v1f2van9.us-west-2.rds.amazonaws.com:3306 (authorized)'. The 'Alarms and Recent Events' section shows a list of events: 'Finished DB Instance backup' (Jul 29 11:32 PM), 'Backing up DB Instance' (Jul 29 11:30 PM), 'DB instance created' (Jul 29 11:29 PM), and 'DB instance restarted' (Jul 29 11:29 PM). The 'Monitoring' section displays graphs for CPU (0.68%), Memory (555 MB), Storage (14,500 MB), Read IOPS (0/sec), Write IOPS (0.292/sec), and Swap Usage (0 MB). The bottom of the screen shows a Windows taskbar with several open applications, including 'puttygen (1).exe' and 'putty (1).exe', and a system clock showing 11:51 PM on 7/29/2016.

Install XAMPP software. Start MySQL. Click Allow access.

The screenshot shows the XAMPP Control Panel v3.2.1 interface. The 'Modules' section lists Apache, MySQL, FileZilla, Mercury, and Tomcat. The 'MySQL' module is highlighted, showing its PID (8204) and Port (3306). The 'Actions' column for MySQL includes buttons for 'Start', 'Stop', 'Admin', 'Config', and 'Logs'. A 'Windows Security Alert' dialog box is open, stating 'Windows Firewall has blocked some features of this app'. The dialog box shows the application name as 'mysqld', publisher as 'Unknown', and path as 'C:\xampp\mysql\bin\mysqld.exe'. It asks to allow the application to communicate on the networks, with options for 'Private networks, such as my home or work network' (unchecked) and 'Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)' (checked). The 'Allow access' button is highlighted. In the background, the AWS RDS Console is visible, showing the same MySQL instance details. The bottom of the screen shows a Windows taskbar with several open applications, including 'puttygen (1).exe' and 'putty (1).exe', and a system clock showing 11:39 PM on 7/29/2016.

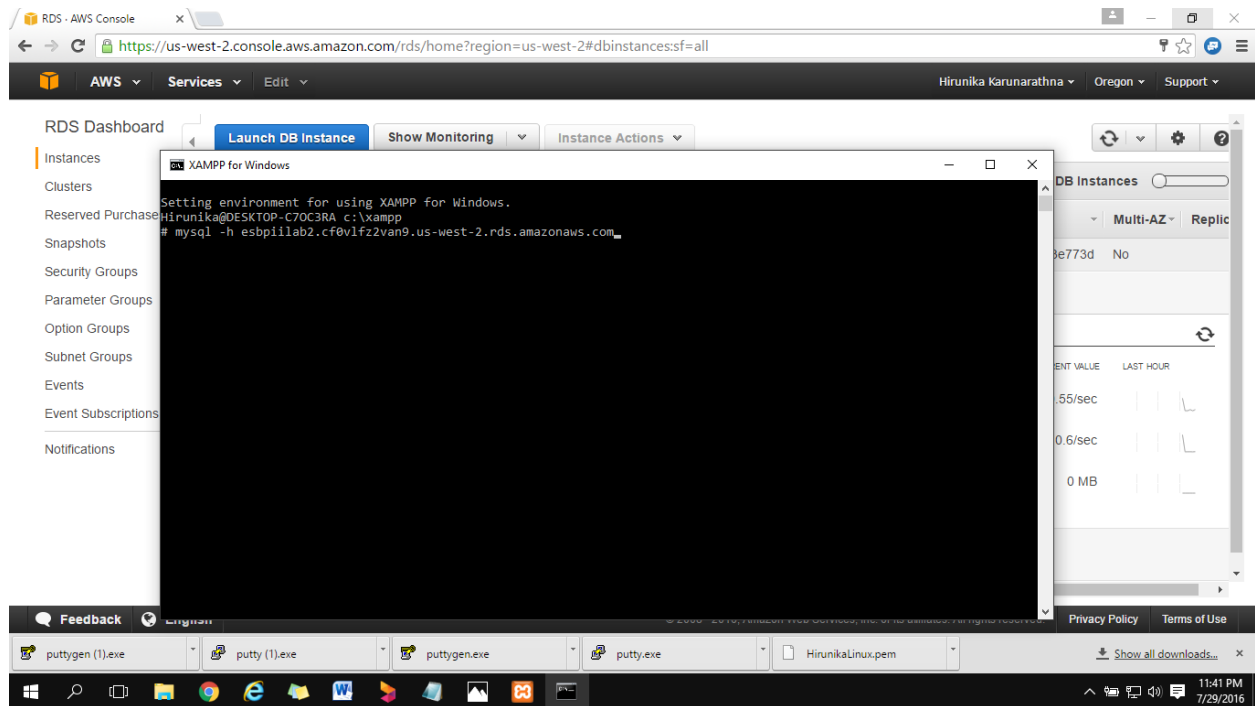


Click on Shell. Cmd will appear.

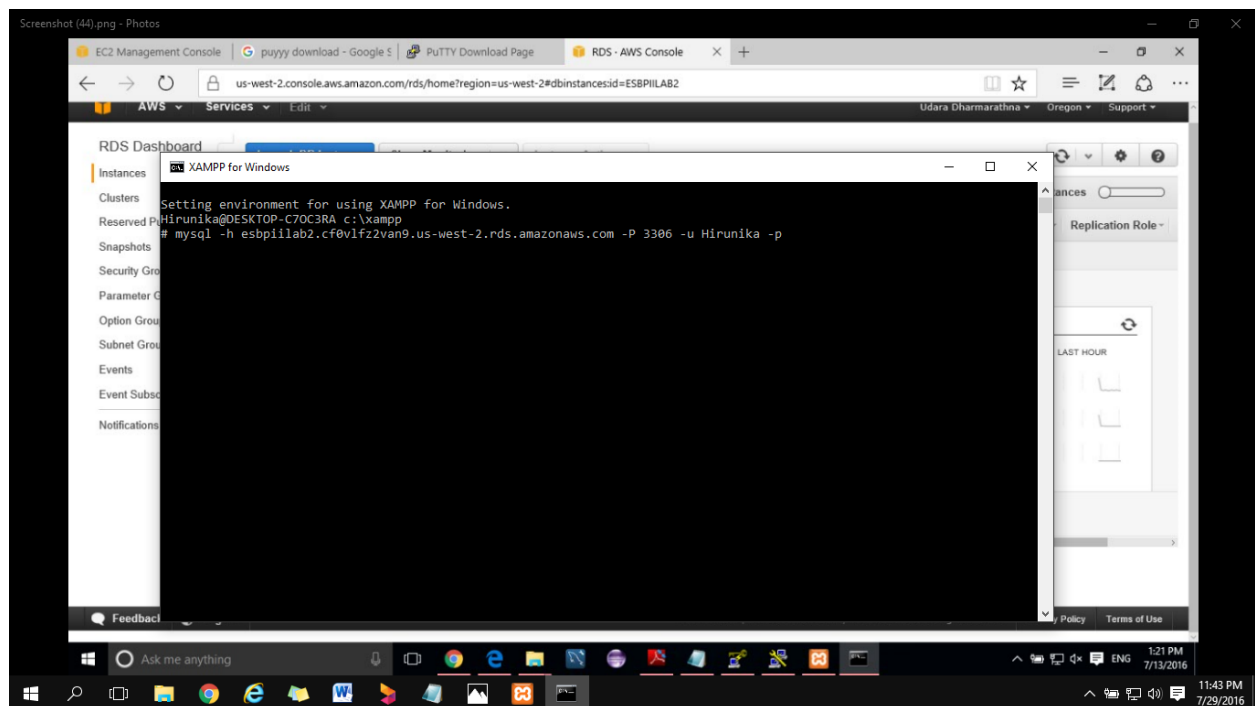




Type `mysql -h` copy end point link without `:3306`



Edit that end point link according to given screen shot.



Provide password that given in above steps

