

**EX. NO: 6**

**DATE:**

## **PUBLIC CLOUD**

### **CREATING AN INSTANCE IN MICROSOFT AZURE**

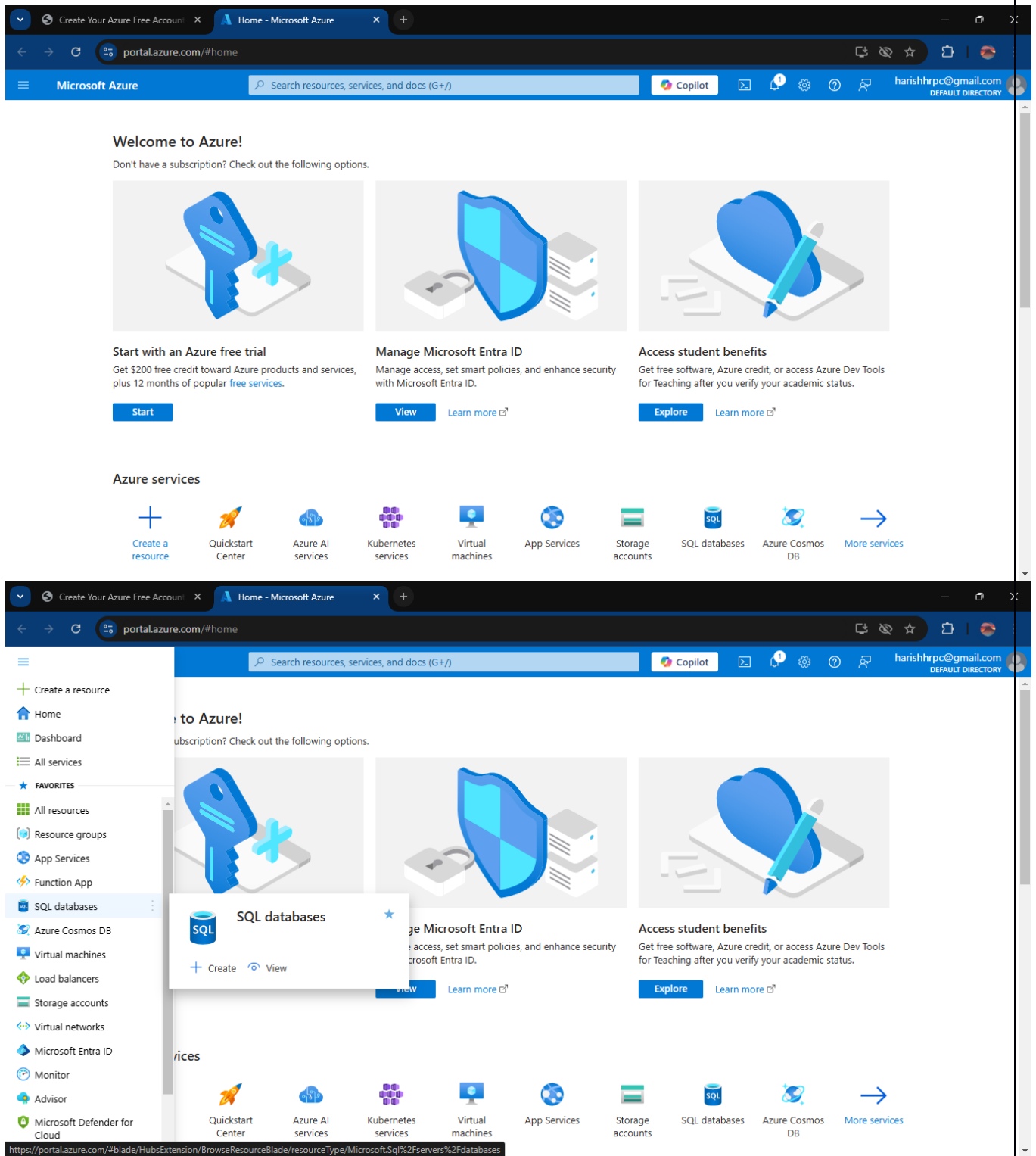
**AIM:**

Develop a simple application to understand the concept of PAAS using Microsoft Azure

**PROCEDURE:**

1. Sign in to the Azure portal
2. Select Azure SQL on the left menu of the Azure portal.
3. Select +Add to open the Select SQL deployment option page.
4. Select Create.

**OUTPUT:**



Free services - Microsoft Azure

portal.azure.com/#view/Microsoft\_Azure\_Billing/FreeServicesBlade

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

harishhrpc@gmail.com

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## Free services

Services that include monthly free amounts for 12 months

For 12 months after signup, new customers can use up to the specified monthly free amount of each of these services without getting charged. **Service usage is billed at the pay-as-you-go rate after you reach the monthly limit.** To learn more, see the [Azure free account FAQ](#).

[Give feedback](#)

<p><b>Windows Virtual Machine</b> COMPUTE</p> <p>750 hours each of B1s and B2ats v2 (AMD-based) burstable VMs.</p> <p>Create Windows virtual machines (VMs) in seconds to meet your workload and budget needs. <a href="#">Learn more</a></p> <p><a href="#">Create</a></p>	<p><b>Linux Virtual Machine</b> COMPUTE</p> <p>750 hours each of B1s and B2ats v2 (AMD-based) burstable VMs.</p> <p>Create Linux virtual machines (VMs) in seconds to meet your workload and budget needs. <a href="#">Learn more</a></p> <p><a href="#">Create</a></p>	<p><b>Azure Managed Disks</b> STORAGE</p> <p>64 GB x 2 (P6) solid state drives SSD storage, plus 1 GB snapshot and 2 million I/O operations</p> <p>Get high performance, durable block storage for Azure Virtual Machines with simplified management. <a href="#">Learn more</a></p> <p><a href="#">Create</a></p>	<p><b>Azure Blob Storage</b> STORAGE</p> <p>5 GB locally redundant storage (LRS) hot block with 20,000 read and 10,000 write operations</p> <p>Use massively-scalable object storage for any type of unstructured data. <a href="#">Learn more</a></p> <p><a href="#">Create</a></p>
<p><b>Azure Files</b> STORAGE</p> <p>100GB</p>	<p><b>Key Vault</b> SECURITY</p> <p>10,000 transactions</p>	<p><b>Azure Media Services Encodin...</b> MEDIA</p> <p>20 output minutes</p>	<p><b>Azure Database for MySQL</b> DATABASES</p> <p>750 hours</p>

Flexible server - Microsoft Azure

portal.azure.com/#create/Microsoft.MySQLServer

Microsoft Azure

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## Flexible server

Microsoft

Basics Tags Review

Create an Azure Database for MySQL server.

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* ⓘ

Resource group \* ⓘ

**Server details**

Enter required settings for this server, including picking a location and configuring the compute and storage resources.

Server name \* ⓘ

Region \* ⓘ

Availability zone \* ⓘ

**Authentication**

[Review + create](#) [Next : Tags >](#)

**Estimated costs**

**Compute Sku** USD -/month

**Storage** USD -/month

Storage selected - GiB (USD - per GiB) -

**Auto scale IOPS**

Auto scale IOPS is billed on usage in per million request increments. [Learn more](#)

**Backup Retention**

Backup retention is billed based on additional storage used for retaining backups. [Learn more](#)

**Bandwidth**

For outbound data transfer across services in different regions will incur

Create Your Azure Free Account | Flexible server - Microsoft Azure

portal.azure.com/#create/Microsoft.MySQLServer

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Microsoft

Server names, networking connectivity method, zone redundant HA and backup redundancy cannot be changed after server is created. Review these options carefully before provisioning.

Basics Networking Security Tags Review + create

Create an Azure Database for MySQL flexible server. [Learn more](#)

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* Select a subscription

Resource group Loading... [Create new](#)

**Server details**

Enter required settings for this server, including picking a location and configuring the compute and storage resources.

Server name \* CC-Experiment

Region (Asia Pacific) South India

Availability zone No preference

**Authentication**

Admin username \* admin

[Review + create](#) [Next : Networking](#)

**Estimated costs**

Estimating cost

**Compute Sku** Standard\_B1ms 1487.94

**Storage** Storage selected 20 GiB (INR 10.898503 per GiB) 20 x 10.898503

**Auto scale IOPS** Auto scale IOPS is billed on usage in per million request increments. [Learn more](#)

**Backup Retention** Backup retention is billed based on additional storage used for retaining backups. [Learn more](#)

**Bandwidth** For outbound data transfer across services in different regions will incur additional charges. Any inbound data transfer is free.

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Microsoft

Basics Tags Review

Create an Azure Database for MySQL server.

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* Azure for Students

Resource group \* (New) cloud\_computing\_lab [Create new](#)

**Server details**

Enter required settings for this server, including picking a location and configuring the compute and storage resources.

Server name \* cloud-computing-experiment

Region \* (Asia Pacific) South India

Availability zone No preference

**Authentication**

Admin username \* admin

[Review + create](#) [Next : Tags >](#)

**Estimated costs**

**Compute Sku** INR 1487.94/month  
Standard\_B1ms 1487.94

**Storage** INR 217.97/month  
Storage selected 20 GiB (INR 10.898503 per GiB) 20 x 10.898503

**Auto scale IOPS** Auto scale IOPS is billed on usage in per million request increments. [Learn more](#)

**Backup Retention** Backup retention is billed based on additional storage used for retaining backups. [Learn more](#)

**Bandwidth** For outbound data transfer across services in different regions will incur additional charges. Any inbound data transfer is free.

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## Flexible server

Microsoft

Enter required settings for this server, including picking a location and configuring the compute and storage resources.

Server name \*

Region \*

Availability zone \*

**Authentication**

Admin username \*

Password \*

Confirm password \*

**Workload details** (Compare workload type)

Workload type \* ☐ Dev/Test ☐ Standard ☐ Enterprise

Choose one of these workload types to quickly configure the server based on your needs. You can modify the configuration after creation.

☐ Add firewall rule for current IP address

### High availability

Same zone and zone redundant high availability provide additional server resilience in the event of a failure.

[Review + create](#)

[Next: Tags >](#)

million request increments. [Learn more](#)

#### Backup Retention

Backup retention is billed based on additional storage used for retaining backups. [Learn more](#)

#### Bandwidth

For outbound data transfer across services in different regions will incur additional charges. Any inbound data transfer is free. [Learn more](#)

**Estimated total** INR 1705.91/month

Prices reflects an estimates only. [View Azure pricing calculator](#). Final charges will appear in your local currency in cost analysis and billing views.

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## Flexible server

Microsoft

Server name cannot be changed after server is created. Review these options carefully before provisioning.

Basics Tags **Review**

### Creation time

Estimated Server Creation Time (in minutes) 5

### Product details

Azure Database for MySQL  
by Microsoft  
[Terms of use](#) | [Privacy policy](#)

### Basics

Subscription	Azure for Students
Resource group	cloud_computing_lab
Server name	cloud-computing-experiment
Server admin login name	admin
Location	South India
Availability zone	No preference
High availability	Disabled
MySQL version	8.0
Workload type	Dev/Test
Compute + storage	Burstable, 8 Tms, 1 vCores, 2 GiB RAM, 20 GiB storage, Auto scale IOPS
Backup redundancy	Locally redundant

### Tags

[Create](#)

[Previous: Tags](#)

[Download a template for automation](#)

### Estimated costs

<b>Compute Sku</b>	INR 1487.94/month
Standard_B1ms	1487.94
<b>Storage</b>	INR 217.97/month
Storage selected 20 GiB (INR 10.895503 per GiB)	20 x 10.895503
<b>Auto scale IOPS</b>	Auto scale IOPS is billed on usage in per million request increments. <a href="#">Learn more</a>
<b>Backup Retention</b>	Backup retention is billed based on additional storage used for retaining backups. <a href="#">Learn more</a>
<b>Bandwidth</b>	For outbound data transfer across services in different regions will incur additional charges. Any inbound data transfer is free. <a href="#">Learn more</a>
<b>Estimated total</b>	INR 1705.91/month

Prices reflects an estimates only. [View Azure pricing calculator](#). Final charges will appear in

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## Microsoft.SQLDatabase.newDatabaseNewServer\_9171258a41d04f18b86c5 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

### Overview

Inputs

Outputs

Template

### Your deployment is complete

Deployment name: Microsoft.SQLDatabase.newDatabaseNewSer... Start time: 1/6/2023, 6:37:49 PM  
Subscription: JJ Azure Subscription Correlation ID: 8d750ebd-564e-46af-aecc-7b  
Resource group: sqldatabasedemo

#### Deployment details

#### Next steps

[Go to resource](#)

#### Give feedback

Tell us about your experience with deployment



#### Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill. [Set up cost alerts >](#)



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**RESULT:**

Thus a simple application to understand the concept of PAAS using Microsoft Azure is developed.