

**EX. NO: 6**

**DATE:**

## **PUBLIC CLOUD**

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

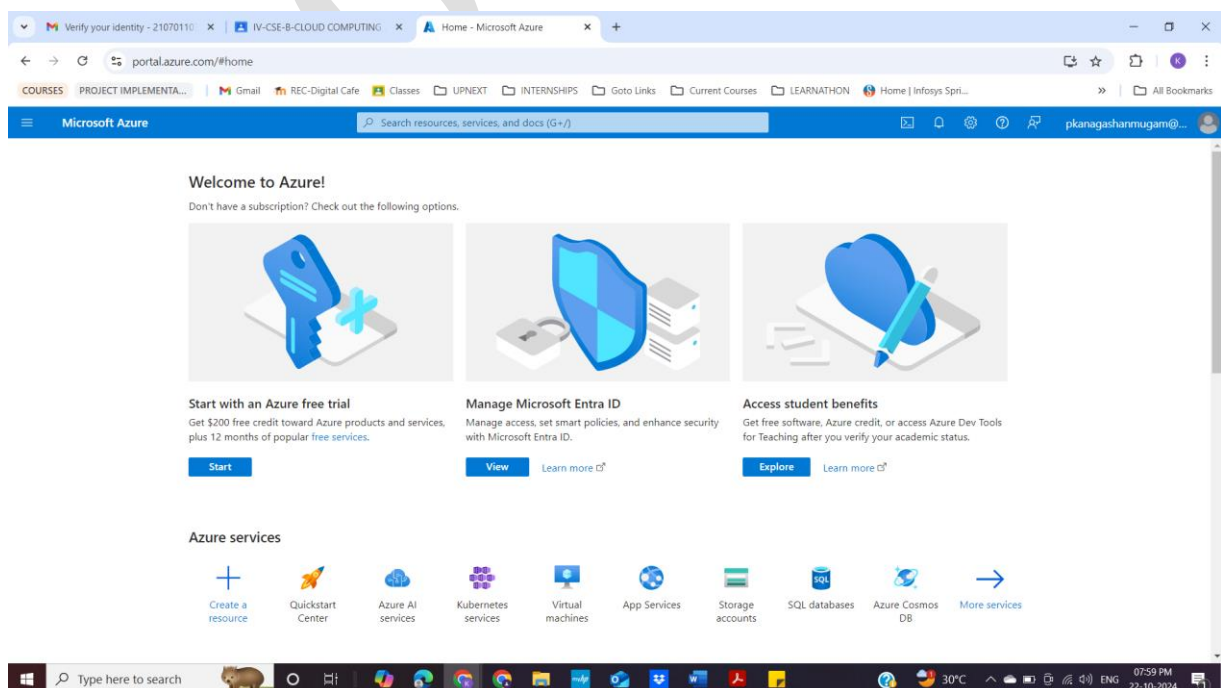
**AIM:**

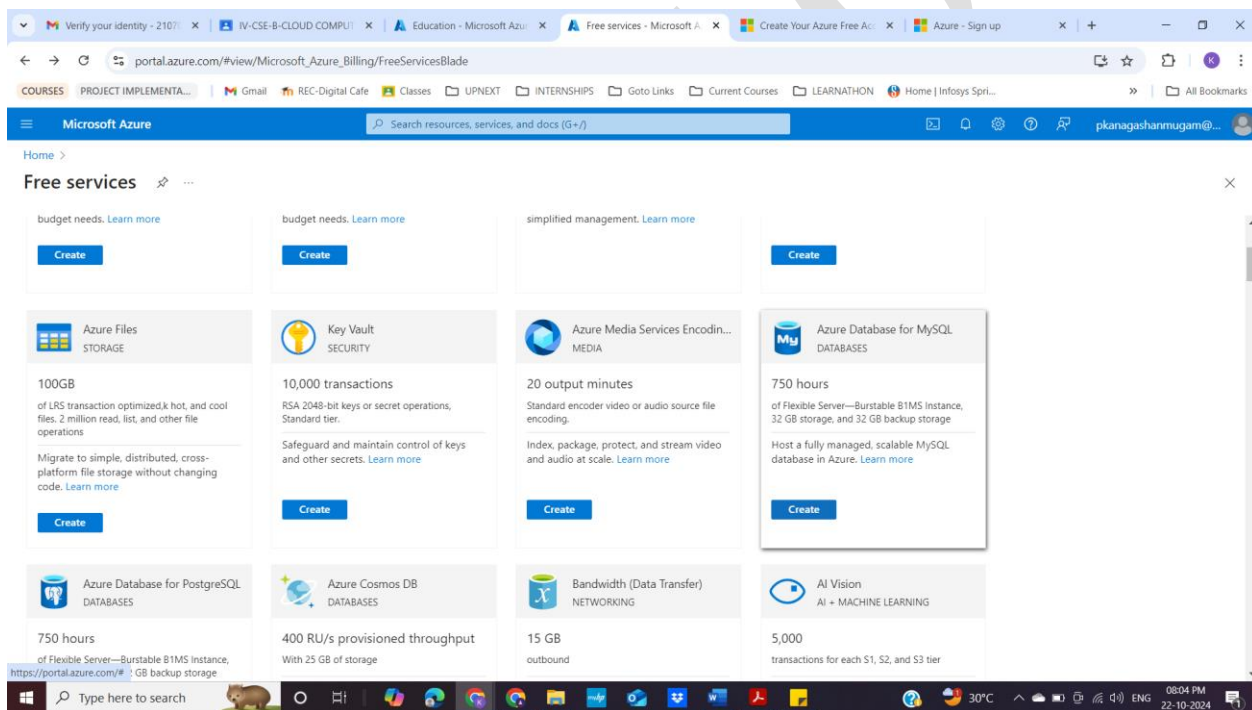
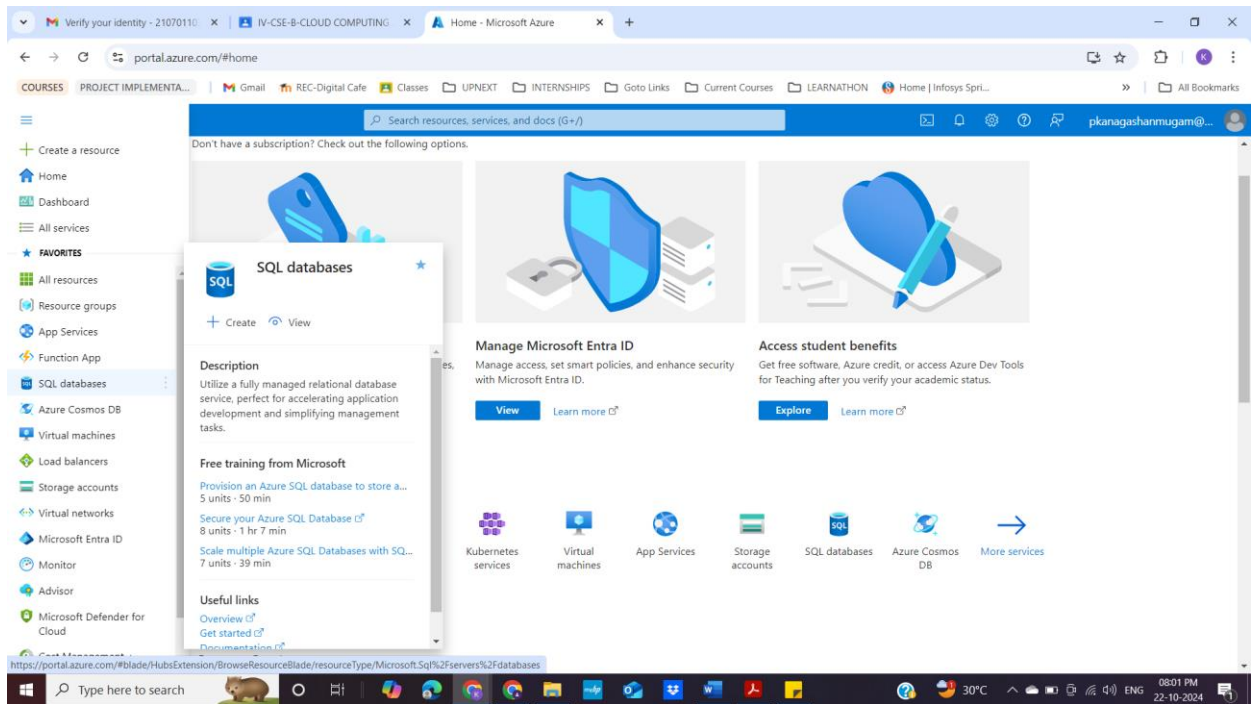
Develop a simple application to understand the concept of PAAS using Microsoft Azure

**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:**





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

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## Select Azure Database for MySQL deployment option

Microsoft

Feedback

Azure Database for MySQL - Single Server is scheduled for retirement by September 16, 2024. [Learn More](#)

### How do you plan to use the service?

**Flexible server**

Best for production workloads that require zone resiliency, predictable performance, maximum control with IOPs scaling, custom maintenance window, cost optimization controls and simplified developer experience.

[Quick Create](#) [Advanced Create](#)

**Wordpress + MySQL Flexible server**

Wordpress is state of the art publishing platform with a focus on aesthetics, web standards and usability. Use this template to create Wordpress on APP Service and Azure Database for MySQL Flexible Server in a Virtual network.

[Create](#) [Learn More](#)

Type here to search

portal.azure.com/?Microsoft\_Azure\_Education\_correlationId=8acdb650-eb2b-413d-9db3-d97fb9559c4d&Microsoft\_Azure\_Education\_newA4E=true&Microsoft\_Azure\_Education\_asoSubG...

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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 \* 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

### 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 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

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

Microsoft Azure

Search resources, services, and docs (G+)

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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 \*

cloud-computing-experiment

Region \*

(Asia Pacific) South India

Availability zone \*

No preference

Authentication

Admin username \*

admin

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.

Microsoft Azure

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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

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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, 81ms, 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

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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

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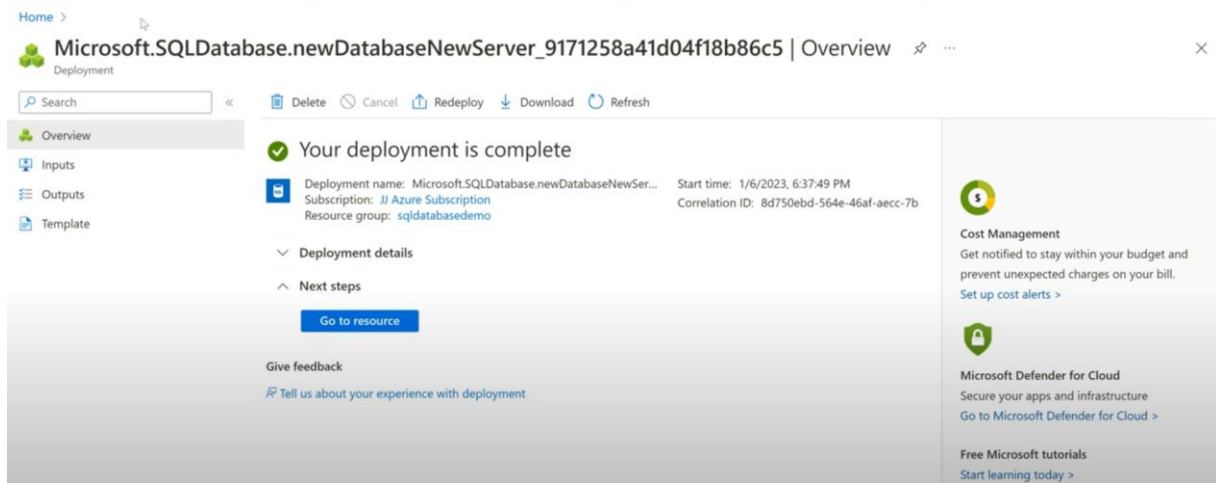
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Estimated total

INR 1705.91/month

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

34



## RESULT:

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