

EX. NO: 6

DATE:

## PUBLIC CLOUD

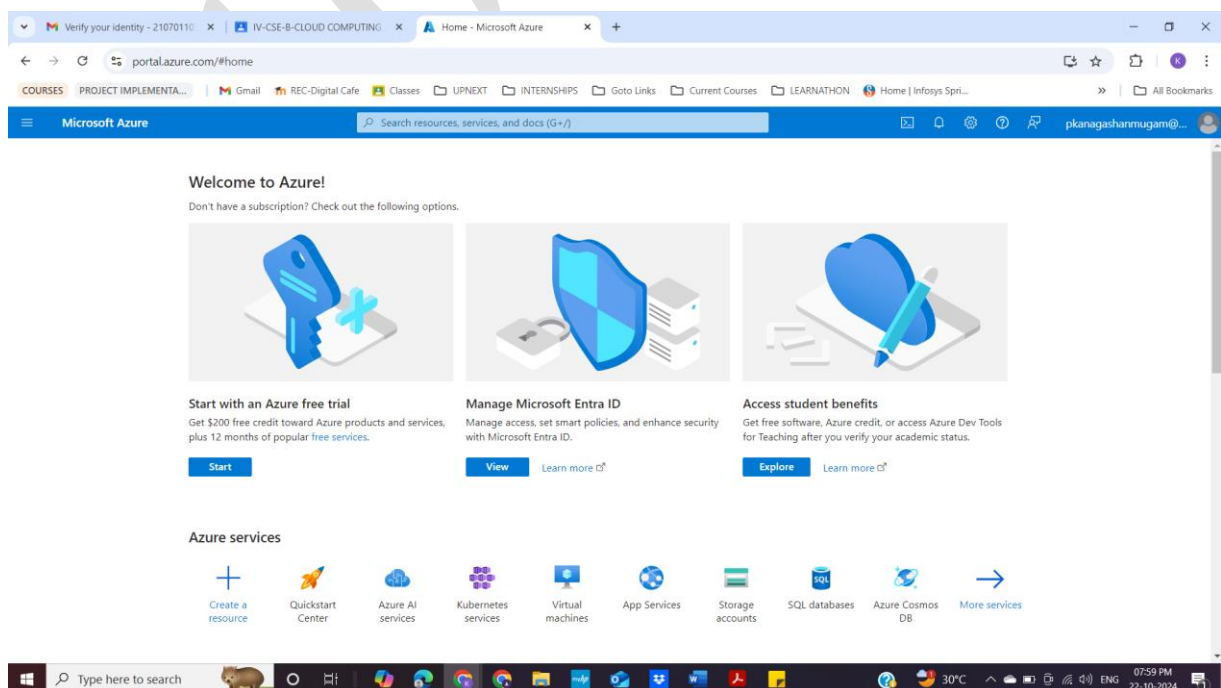
### CREATING AN INSTANCE IN MICROSOFT AZURE

**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/#home

Don't have a subscription? Check out the following options.

### SQL databases

+ Create View

**Description**  
Utilize a fully managed relational database service, perfect for accelerating application development and simplifying management tasks.

**Free training from Microsoft**  
Provision an Azure SQL database to store a...  
5 units - 50 min  
Secure your Azure SQL Database [🔗](#)  
8 units - 1 hr 7 min  
Scale multiple Azure SQL Databases with SQL...  
7 units - 39 min

**Useful links**  
[Overview 🔗](#)  
[Get started 🔗](#)  
[Documentation 🔗](#)

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Manage access, set smart policies, and enhance security with Microsoft Entra ID.  
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Kubernetes services Virtual machines App Services Storage accounts SQL databases Azure Cosmos DB [More services](#)

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

### Free services

**Azure Files STORAGE**  
100GB  
of LRS transaction optimized, hot, and cool files. 2 million read, list, and other file operations.  
Migrate to simple, distributed, cross-platform file storage without changing code. [Learn more](#)  
[Create](#)

**Key Vault SECURITY**  
10,000 transactions  
RSA 2048-bit keys or secret operations, Standard tier.  
Safeguard and maintain control of keys and other secrets. [Learn more](#)  
[Create](#)

**Azure Media Services Encod... MEDIA**  
20 output minutes  
Standard encoder video or audio source file encoding.  
Index, package, protect, and stream video and audio at scale. [Learn more](#)  
[Create](#)

**Azure Database for MySQL DATABASES**  
750 hours  
of Flexible Server—Burstable B1MS Instance, 32 GB storage, and 32 GB backup storage  
Host a fully managed, scalable MySQL database in Azure. [Learn more](#)  
[Create](#)

**Azure Database for PostgreSQL DATABASES**  
750 hours  
of Flexible Server—Burstable B1MS Instance, 32 GB storage, and 32 GB backup storage  
[Create](#)

**Azure Cosmos DB DATABASES**  
400 RU/s provisioned throughput  
With 25 GB of storage  
[Create](#)

**Bandwidth (Data Transfer) NETWORKING**  
15 GB  
outbound  
[Create](#)

**AI Vision AI + MACHINE LEARNING**  
5,000  
transactions for each S1, S2, and S3 tier  
[Create](#)

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**

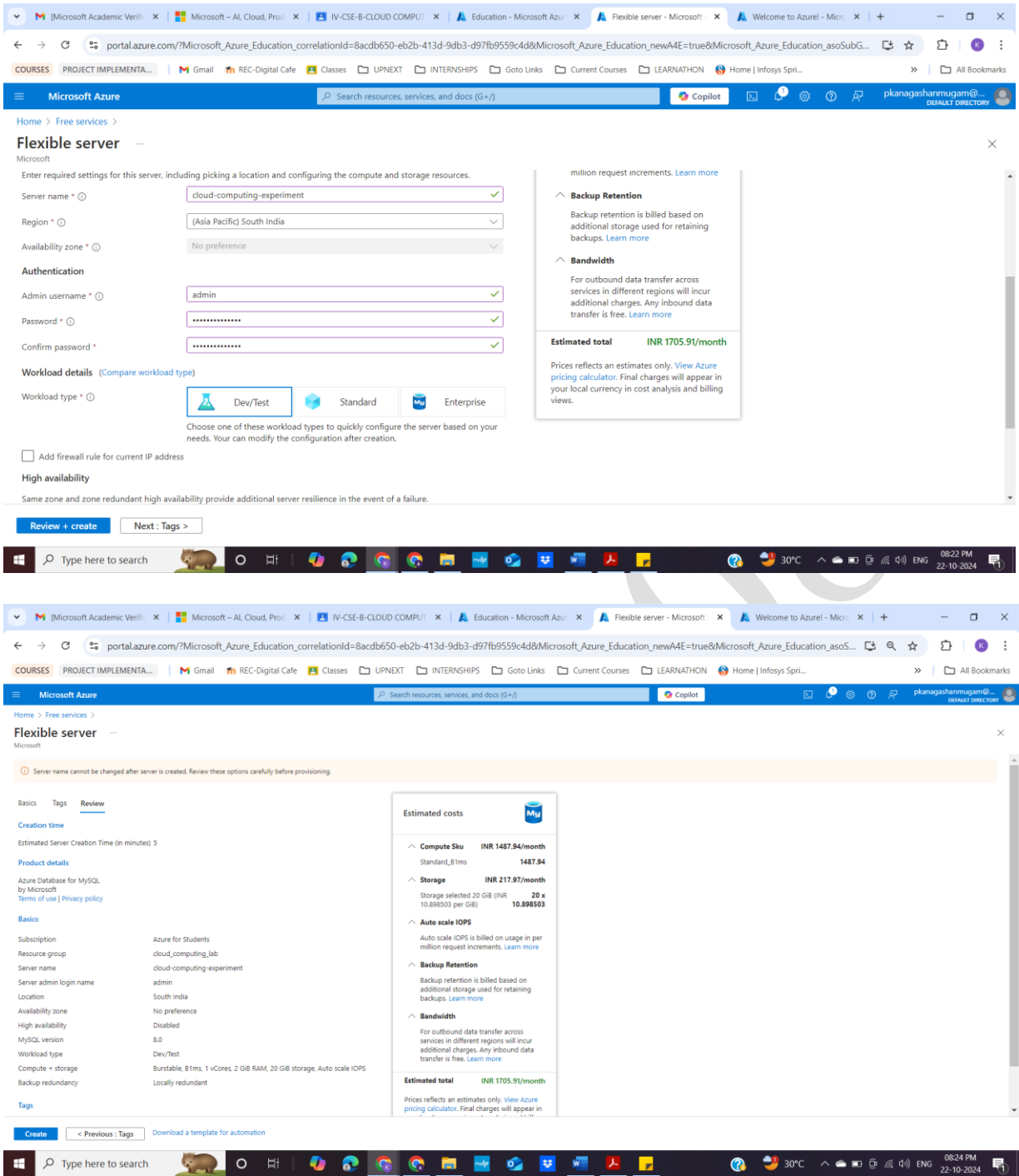
Backup retention is billed based on additional storage used for retaining backups. [Learn more](#)

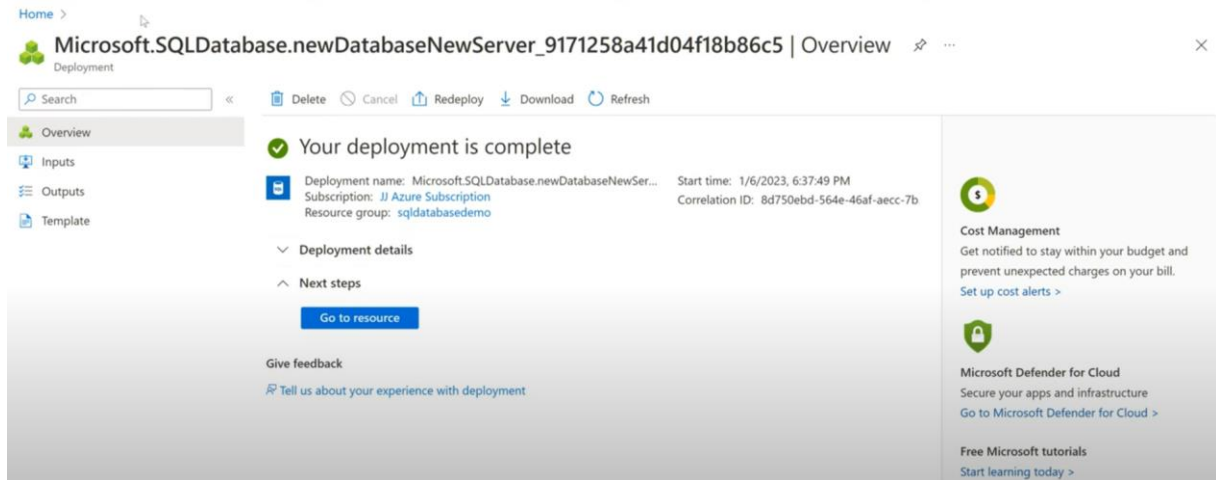
**Bandwidth**

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

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**RESULT:**

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