

EX. NO: 6

DATE:

PUBLIC CLOUD

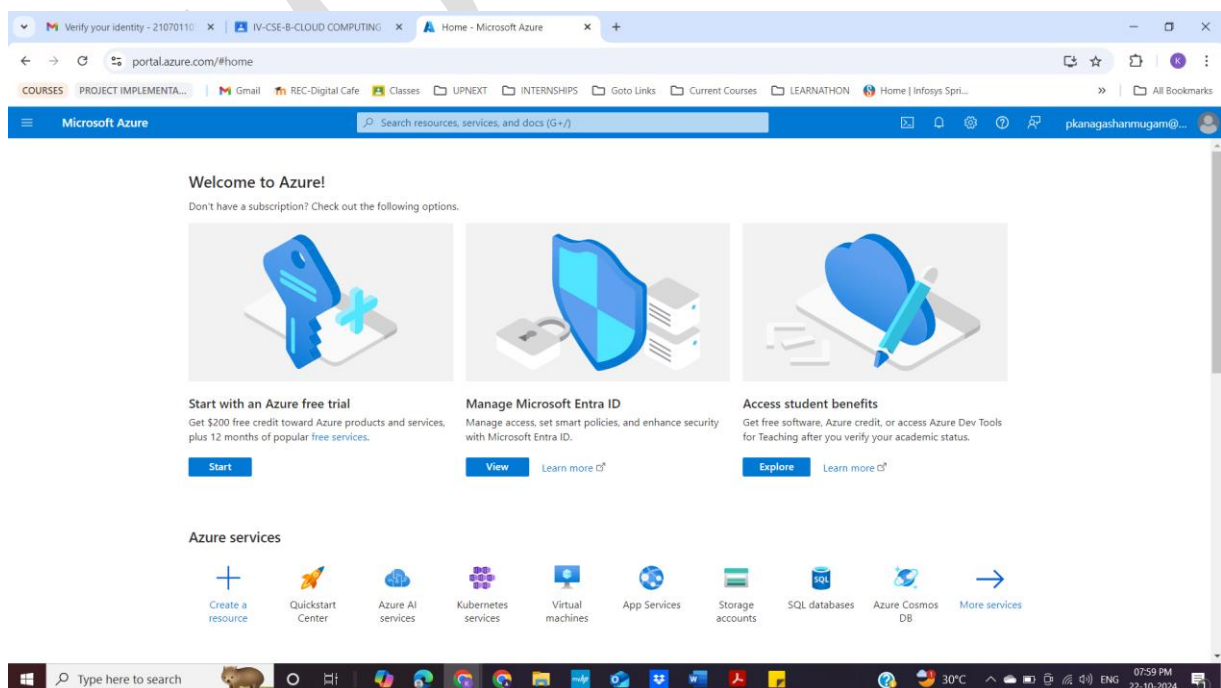
CREATING AN INSTANCE IN MICROSOFT AZURE

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 [Get started](#)
8 units - 1 hr 7 min
Scale multiple Azure SQL Databases with SQL...
7 units - 39 min

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

Manage Microsoft Entra ID
Manage access, set smart policies, and enhance security with Microsoft Entra ID.
[View](#) [Learn more](#)

Access student benefits
Get free software, Azure credit, or access Azure Dev Tools for Teaching after you verify your academic status.
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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](#)



Microsoft Azure

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 >](#)

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

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, 81ms, 1 vCores, 2 GiB RAM, 20 GiB storage, Auto scale IOPS

Backup redundancy Locally redundant

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](#)

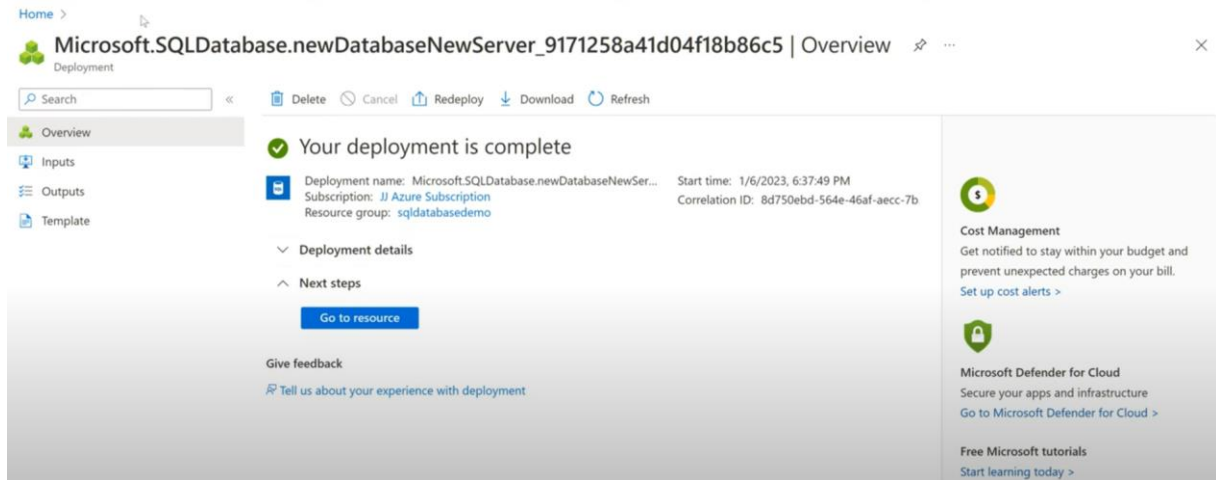
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**RESULT:**

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