

EX. NO: 6

DATE:

PUBLIC CLOUD

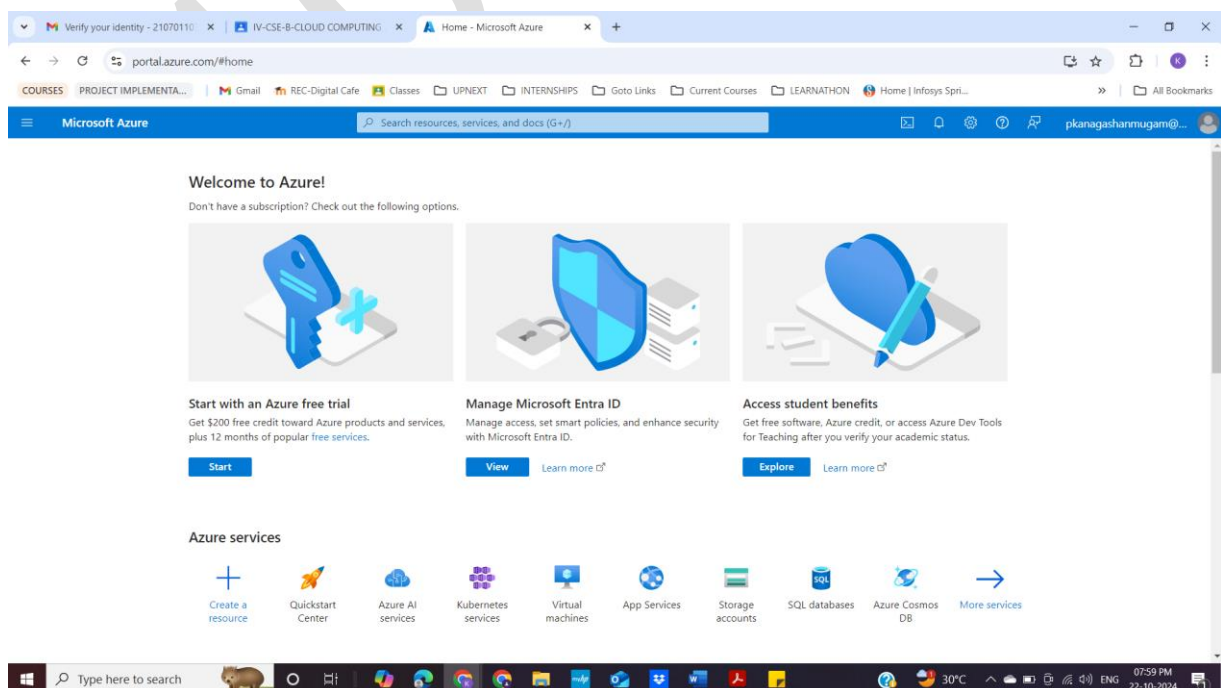
CREATING AN INSTANCE IN MICROSOFT AZURE

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:

NAME: KARTHICK RAGAV

The image shows two screenshots of the Microsoft Azure portal. The top screenshot displays the 'SQL databases' page, which includes a sidebar with navigation options like 'Home', 'Dashboard', 'All services', and 'SQL databases'. The main content area features a 'Create' button, a 'Description' of SQL databases, and a 'Free training from Microsoft' section. The bottom screenshot shows the 'Free services' page, which lists various Azure services with their free tiers and 'Create' buttons. The services listed include Azure Files Storage, Key Vault Security, Azure Media Services Encoding, Azure Database for MySQL Databases, Azure Database for PostgreSQL Databases, Azure Cosmos DB Databases, Bandwidth (Data Transfer) Networking, and AI Vision AI + MACHINE LEARNING. The portal interface includes a search bar, a navigation menu, and a status bar at the bottom showing the time and date.

SQL databases

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

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.

Explore [Learn more](#)

Free services

Create

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 Encodin... 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 81MS 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 81MS 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

The screenshot displays the Microsoft Azure portal interface. At the top, there's a navigation bar with the 'Microsoft Azure' logo and a search bar. Below this, the breadcrumb trail reads 'Home > Free services >'. The main heading is 'Select Azure Database for MySQL deployment option'. Underneath, it says 'Microsoft' and 'Feedback'. A purple banner indicates that 'Azure Database for MySQL - Single Server is scheduled for retirement by September 16, 2024. [Learn More](#)'. The 'How do you plan to use the service?' section contains two cards. The first card, 'Flexible server', features the MySQL logo and describes it as '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.' It has a 'Quick Create' button. The second card, 'Wordpress + MySQL Flexible server', features the WordPress logo and describes it as '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.' It has a 'Create' button and a 'Learn More' link.

Verify your identity - 2107... x IV-CSE-8-CLOUD COMPUT... x Education - Microsoft Azure x Select Azure Database for MySQL deployment option x Create Your Azure Free Account x Azure - Sign up

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

COURSES PROJECT IMPLEMENTATION... Gmail REC-Digital Cafe Classes UPNEXT INTERNSHIPS Goto Links Current Courses LEARNATHON Home | Infosys Spring 2024 All Bookmarks

Microsoft Azure Search resources, services, and docs (G+/I)

Home > Free services >

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.

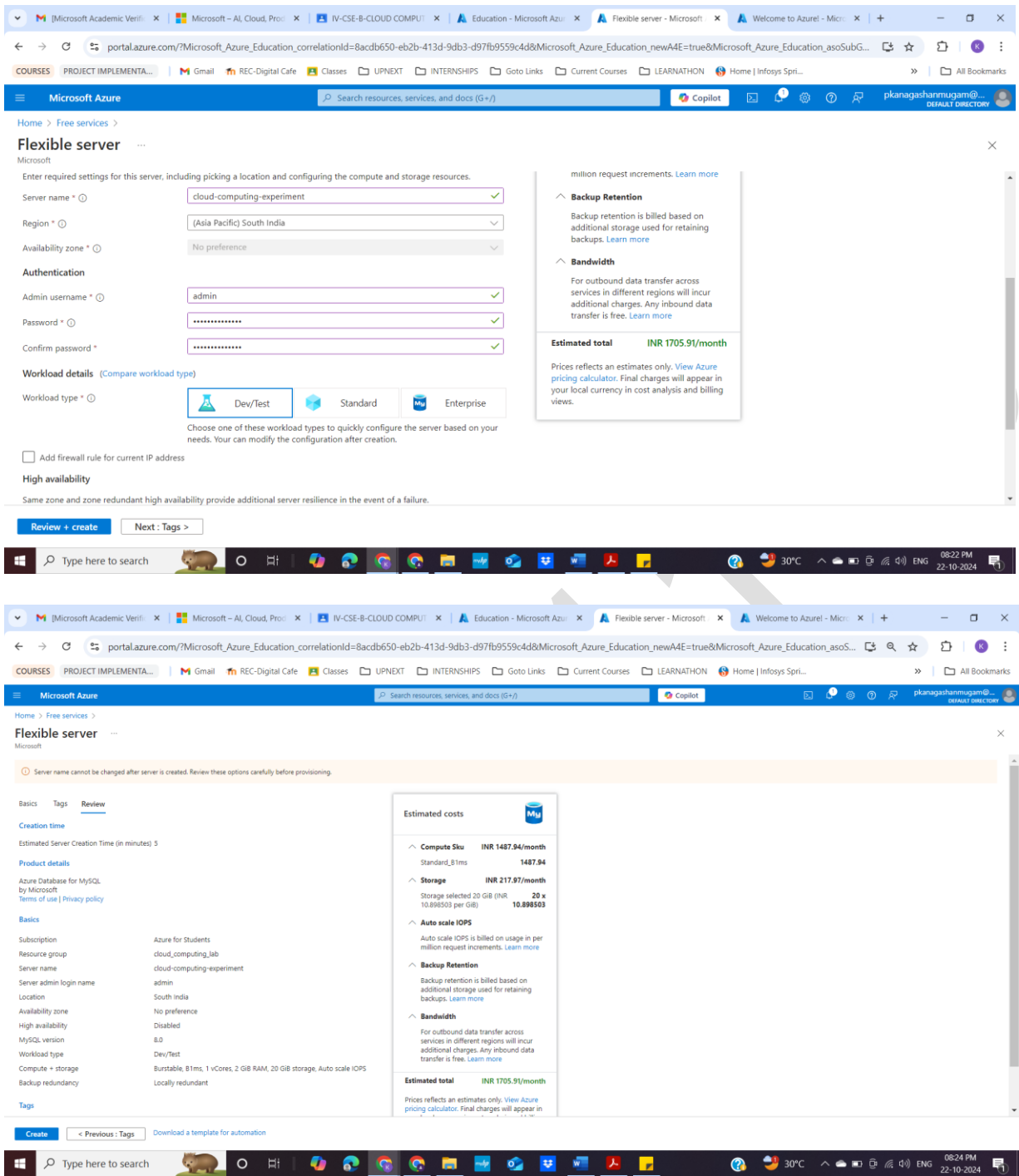
[Quick Create](#) [Advanced Create](#)

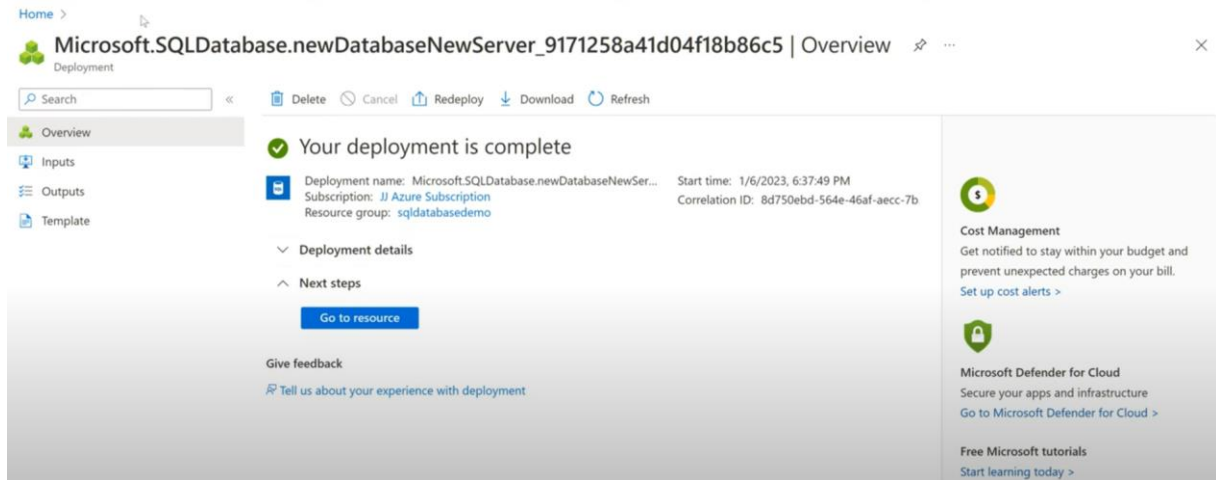
Wordpress + MySQL Flexible server

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](#)

The screenshot displays the Azure portal interface for configuring a 'Flexible server' (MySQL). The top navigation bar includes the Azure logo, search bar, and user profile. The breadcrumb trail shows 'Home > Free services > Flexible server'. The main content area is titled 'Flexible server' and includes a description: 'Create an Azure Database for MySQL server.' The 'Project details' section allows selecting a subscription ('Azure for Students') and a resource group ('(New) cloud_computing_lab'). The 'Server details' section contains fields for 'Server name' (cloud-computing-experiment), 'Region' ((Asia Pacific) South India), 'Availability zone' (No preference), and 'Authentication' (Admin username: admin). A right-hand sidebar shows 'Estimated costs' for the 'Compute Sku' (INR 1487.94/month) and 'Storage' (INR 217.97/month). The bottom of the page features a 'Review + create' button and a 'Next: Tags >' button.



**RESULT:**

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