EX. NO: 6 **DATE:**

PUBLIC CLOUD

CREATING AN INSTANCE IN MICROSOFT AZURE

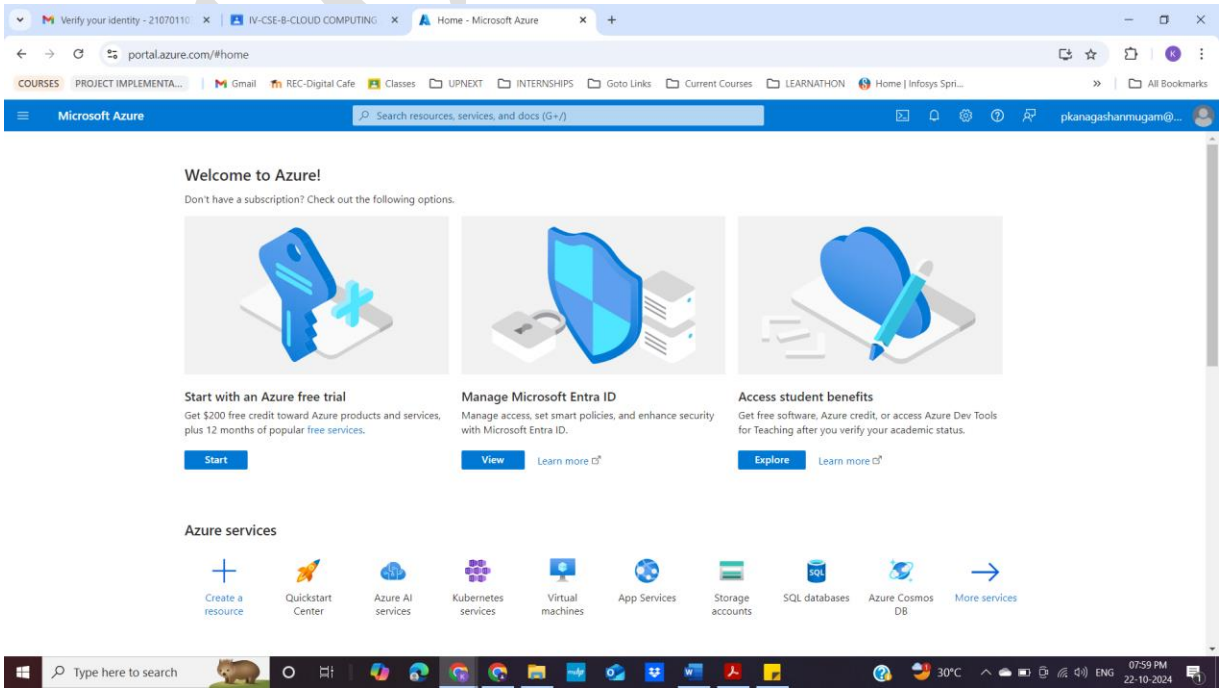
AIM:

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:



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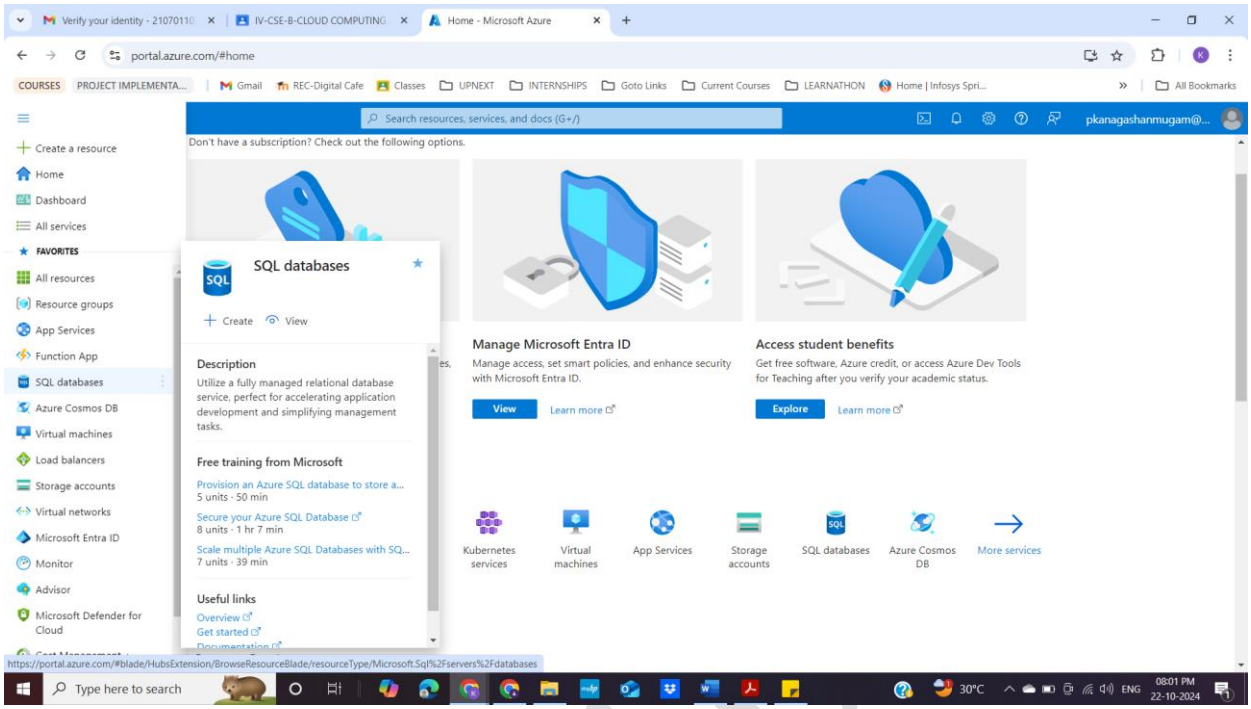
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Advisor
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SQL databases
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Utilize a fully managed relational database service, perfect for accelerating application development and simplifying management tasks.
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8 units · 1 hr 7 min
Scale multiple Azure SQL Databases with SQ...
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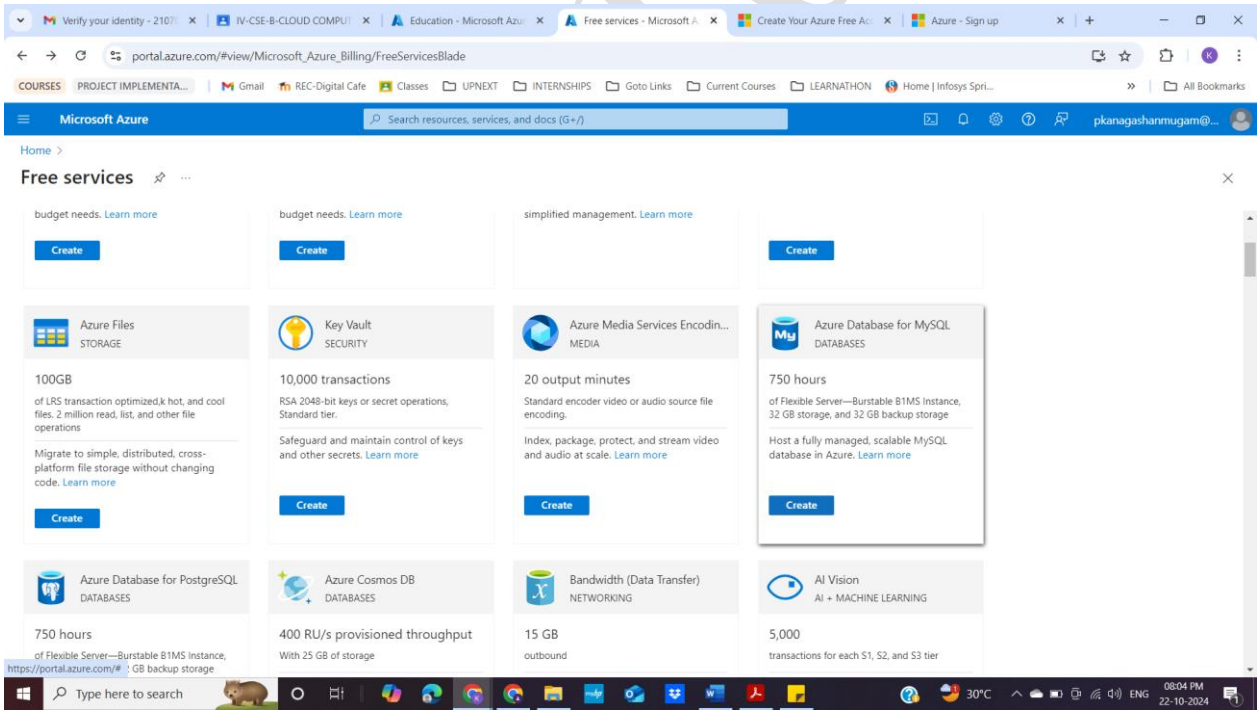
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Create
budget needs. Learn more
Create
simplified management. Learn more
Create
Azure Files
STORAGE
100GB
of LRS transaction optimized,k hot, and cool files. 2 million read, list, and other file operations
Migrate to simple, distributed, cross-platform 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 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
Azure Cosmos DB
DATABASES
400 RU/s provisioned throughput
With 25 GB of storage
Bandwidth (Data Transfer)
NETWORKING
15 GB
outbound
AI Vision
AI + MACHINE LEARNING
5,000
transactions for each S1, S2, and S3 tier
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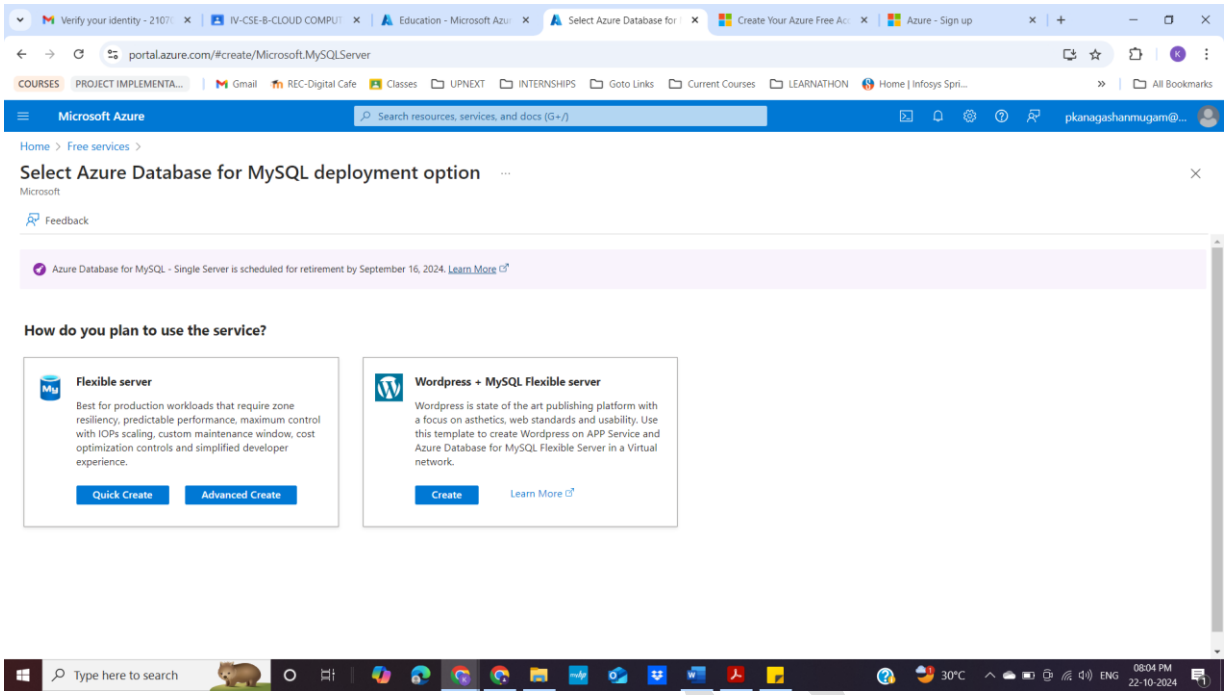
Microsoft Azure
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Home > Free services >
Select Azure Database for MySQL deployment option
Microsoft
Feedback
Azure Database for MySQL - Single Server is scheduled for retirement by September 16, 2024. Learn More
How do you plan to use the service?
Flexible 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 asthetics, 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
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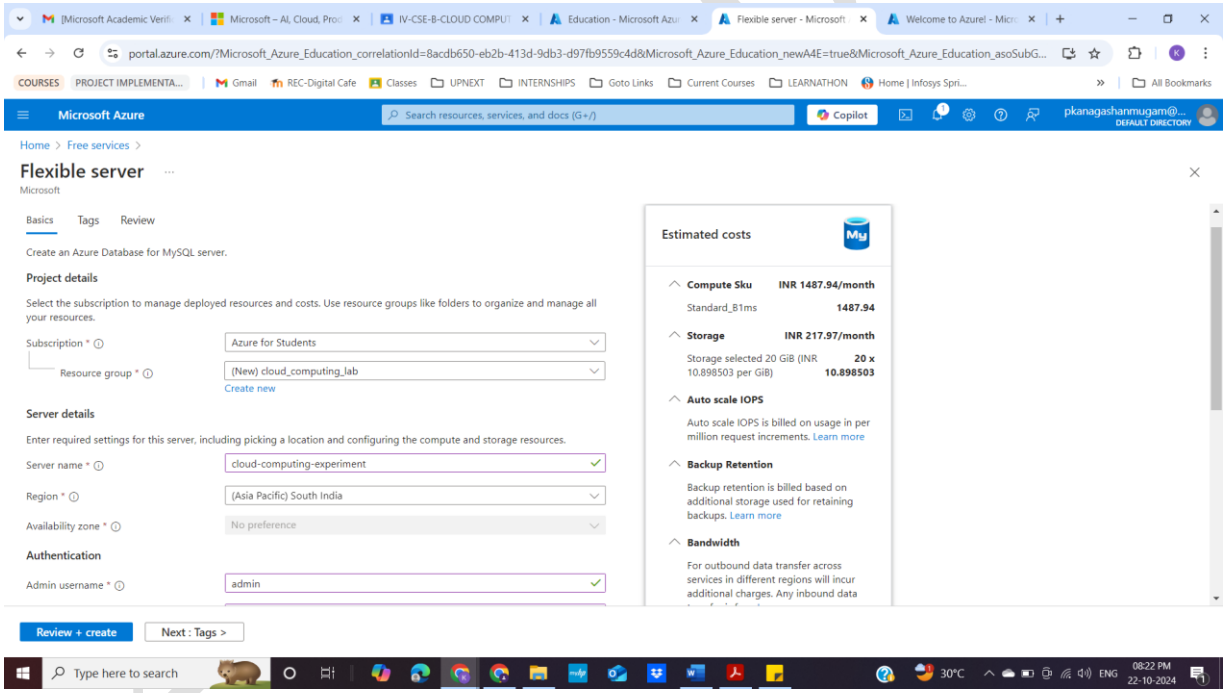
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DEFAULT DIRECTORY
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Flexible server
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Basics
Tags
Review
Create an Azure Database for MySQL server.
Project details
Select the subscription to manage 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
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
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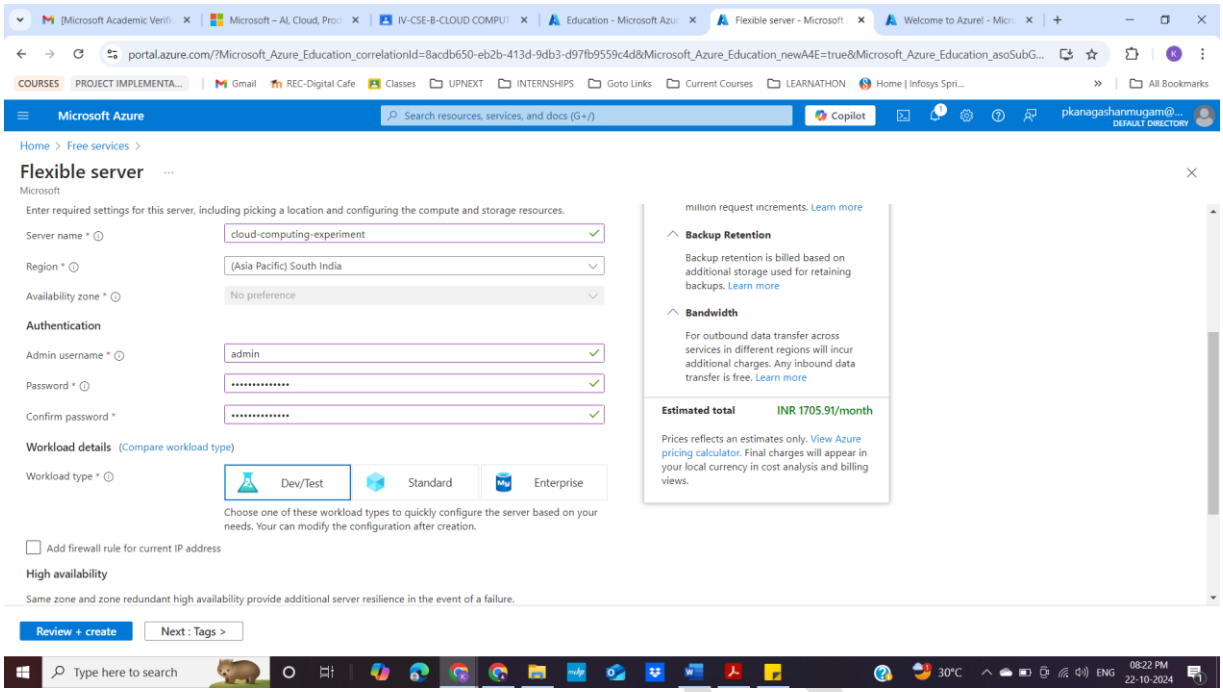
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Flexible server
Microsoft
Enter required settings for this server, including picking a location and configuring the compute and storage resources.
Server name * cloud-computing-experiment
Region * (Asia Pacific) South India
Availability zone * No preference
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.
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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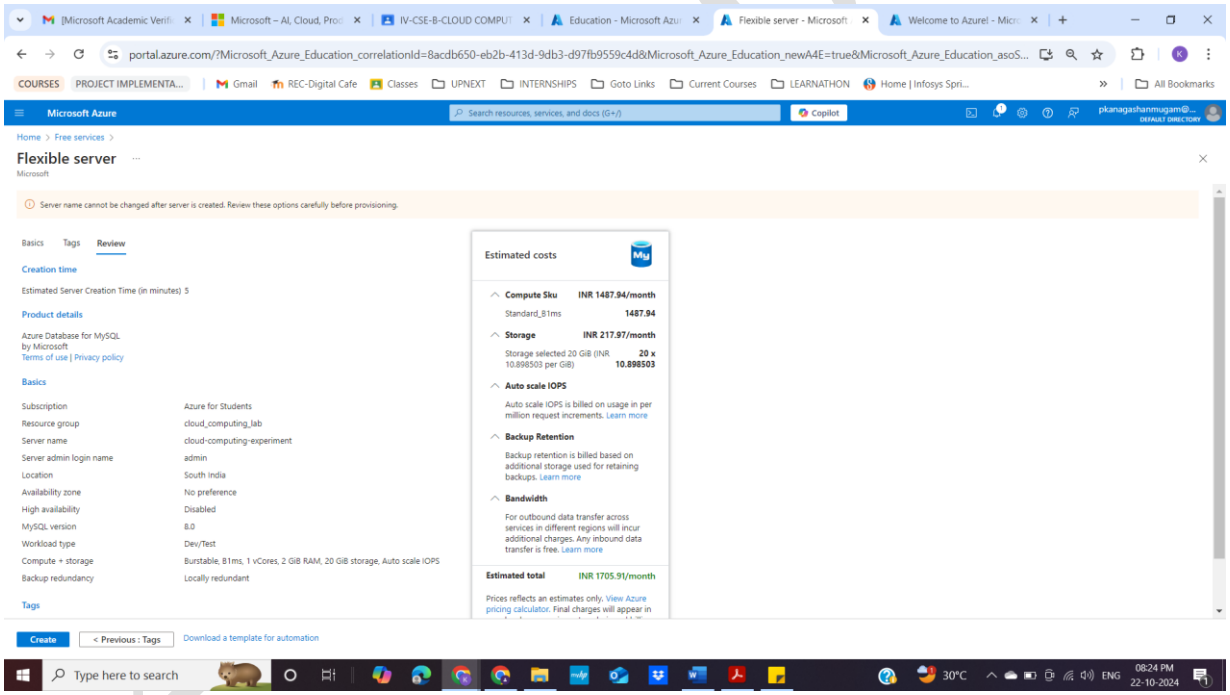
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Copilot
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Flexible server
Microsoft
Server name cannot be changed after server is created. Review these options carefully before provisioning.
Basics Tags Review
Creation time
Estimated Server Creation 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, B1ms, 1 vCores, 2 GiB RAM, 20 GiB storage, Auto scale IOPS
Backup redundancy Locally redundant
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
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Auto scale IOPS is billed on usage in per million request increments. Learn more
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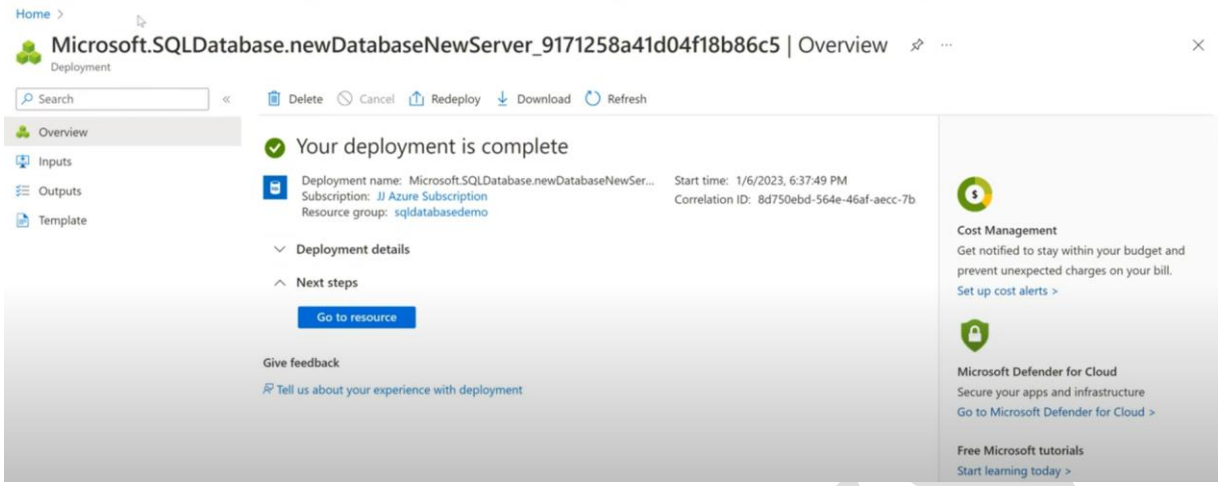

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RESULT:

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