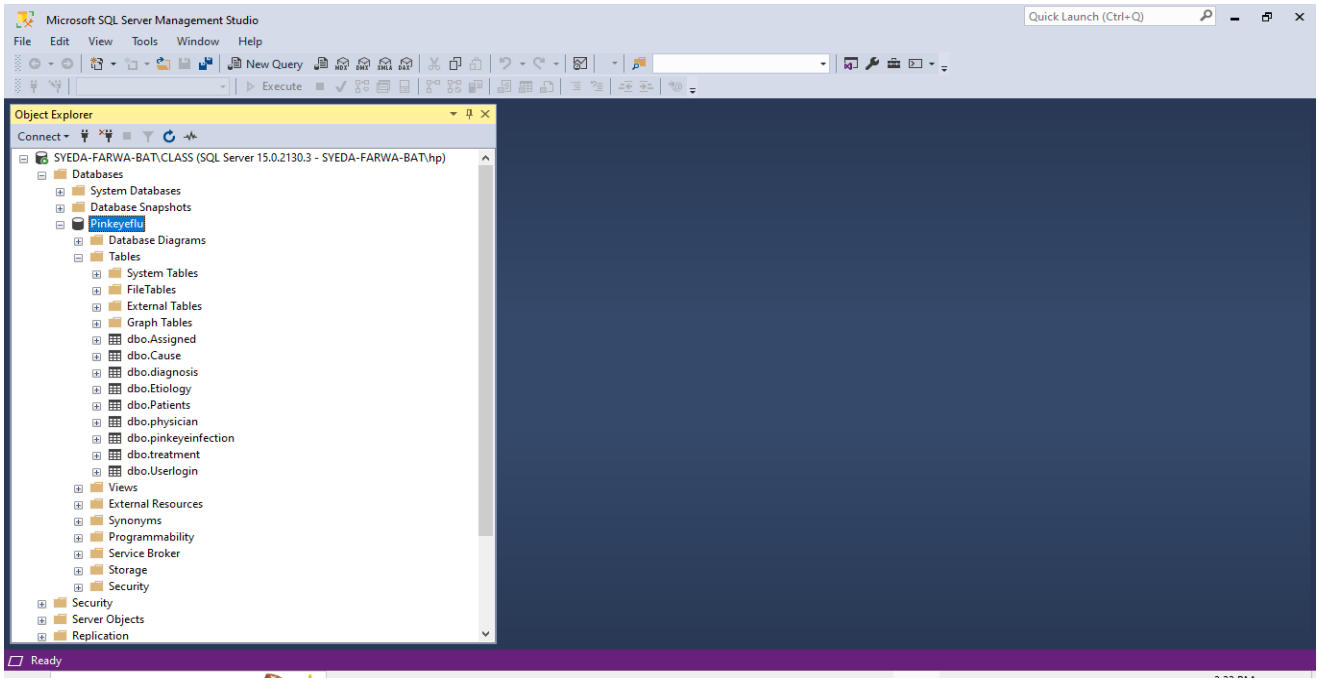
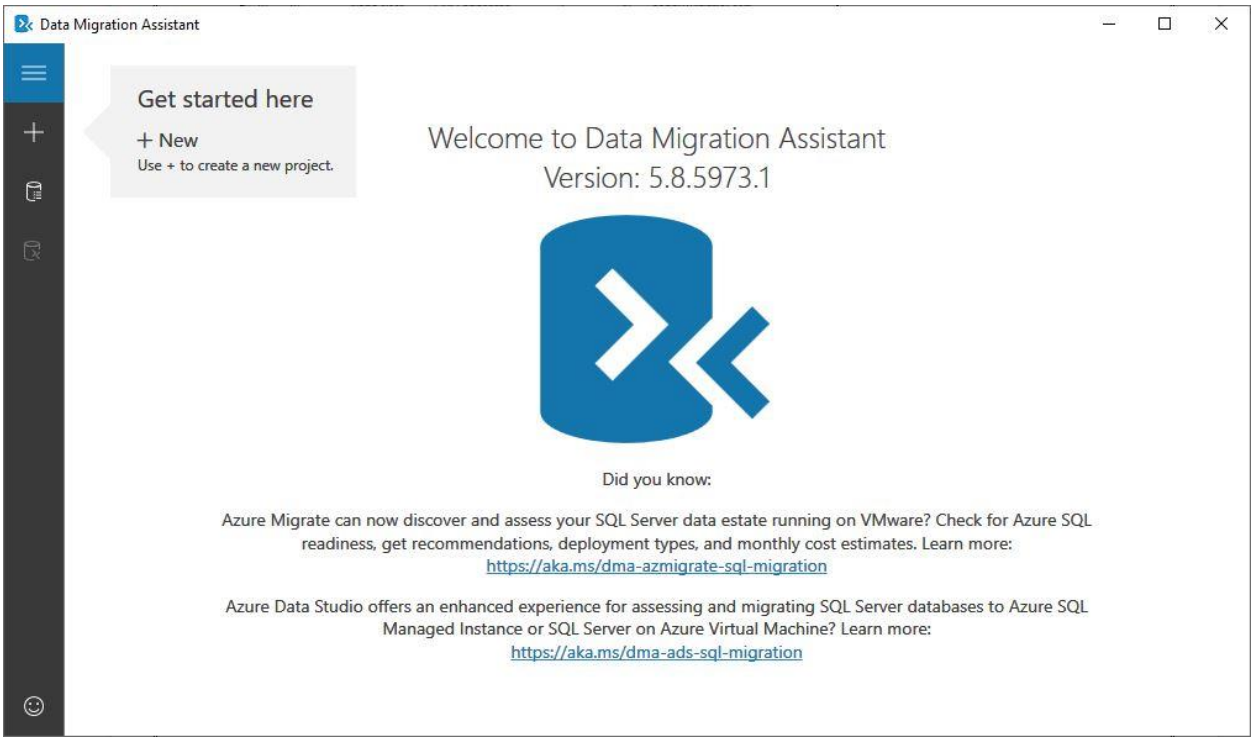
CLOUD COMPUTING

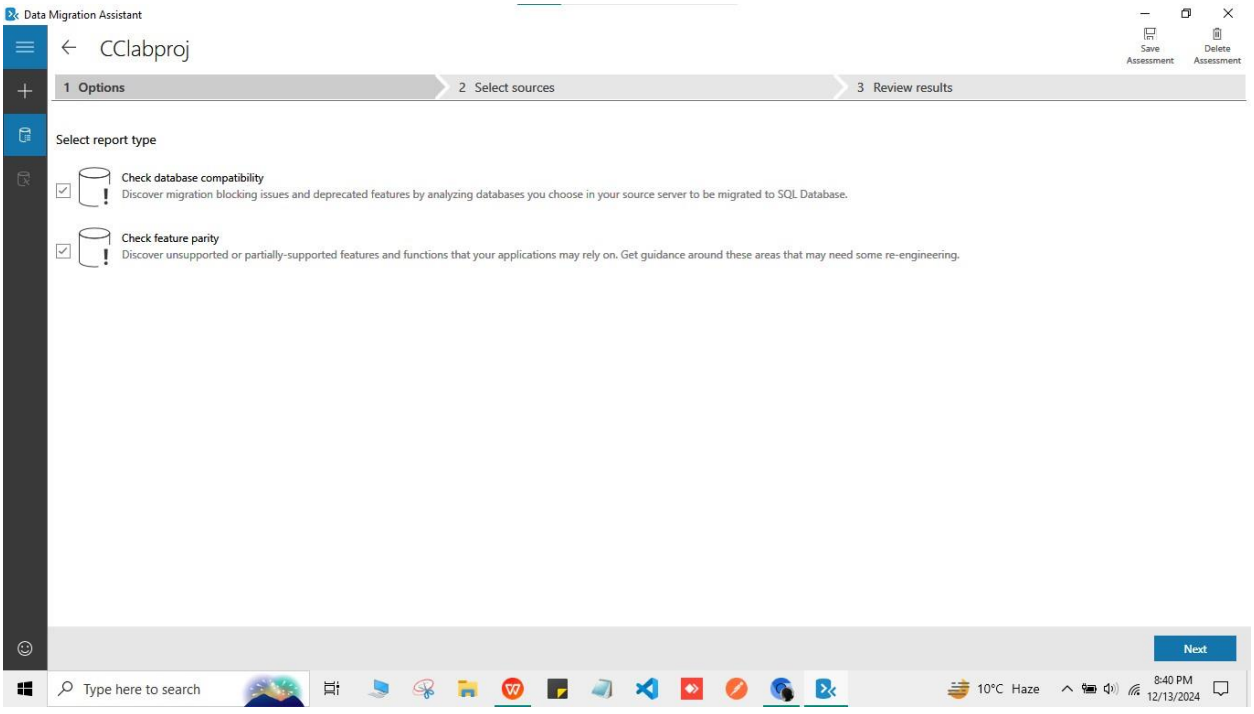
LAB PROJECT

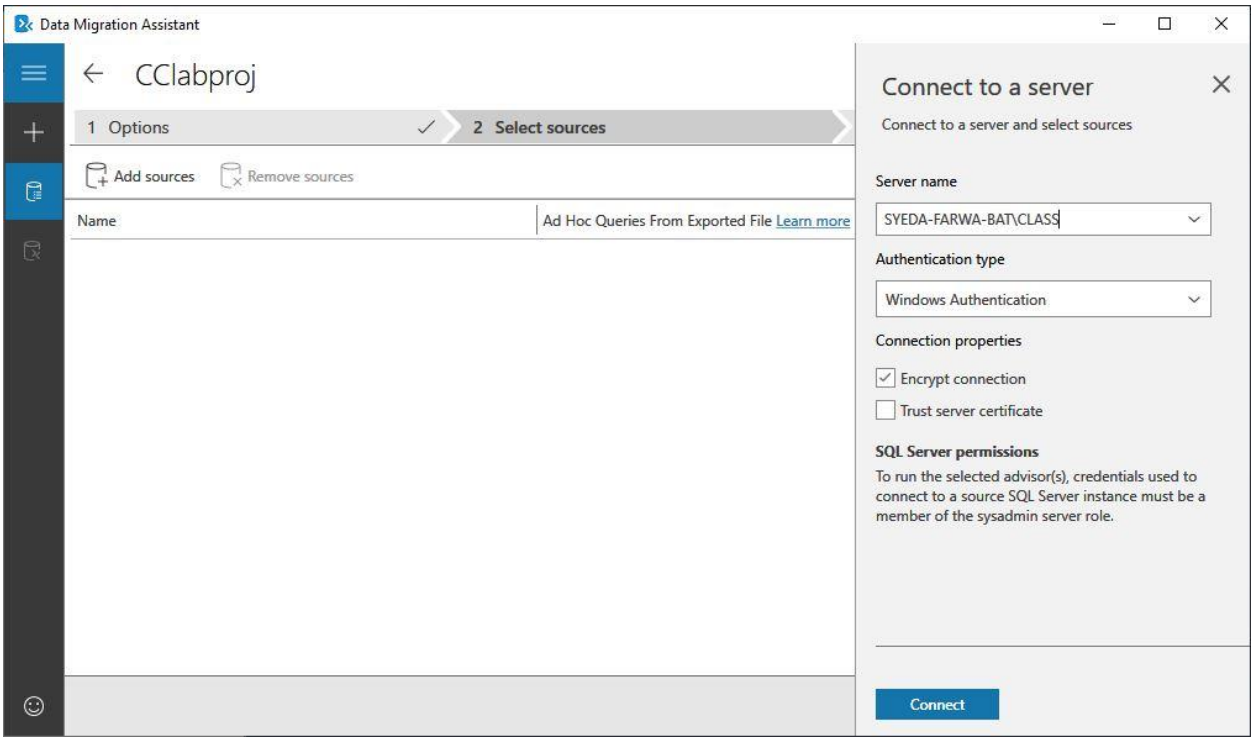
- Submitted to: Engr. Shoaib
- Submitted by: Syeda Farwa Batool(2022-bse-071)

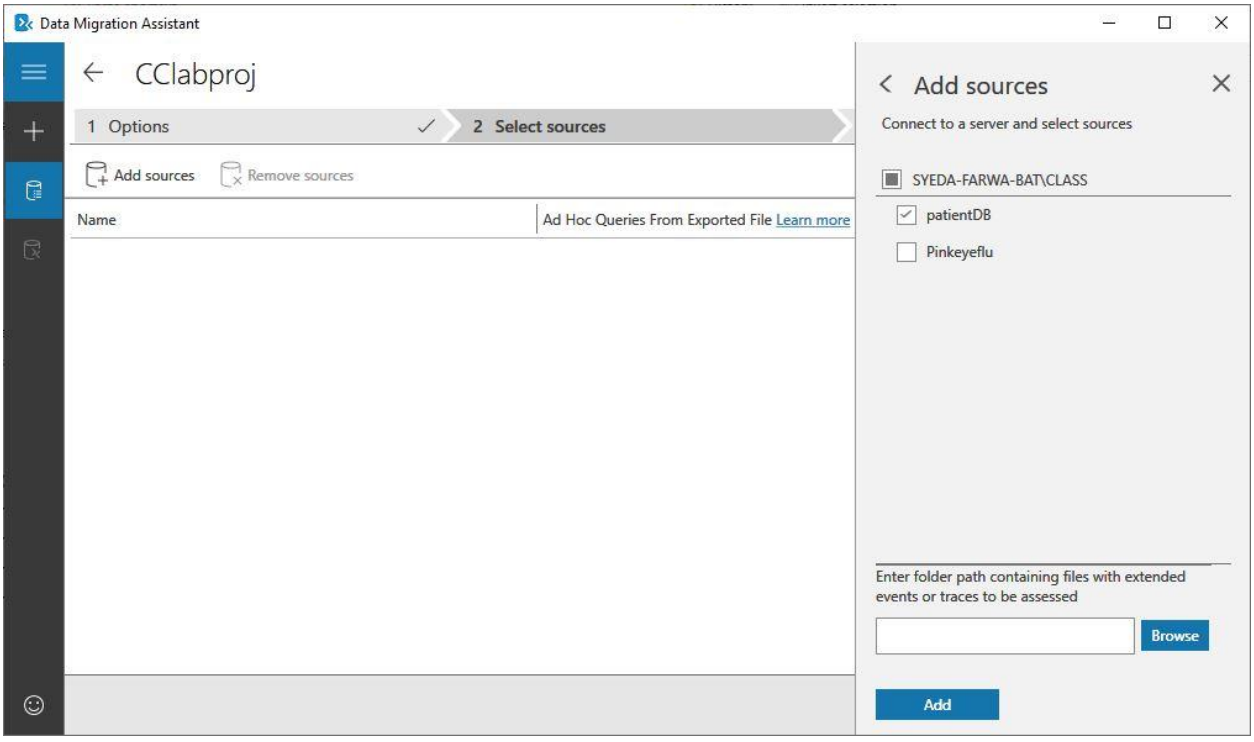
Eman Zai (2022-bse-049)

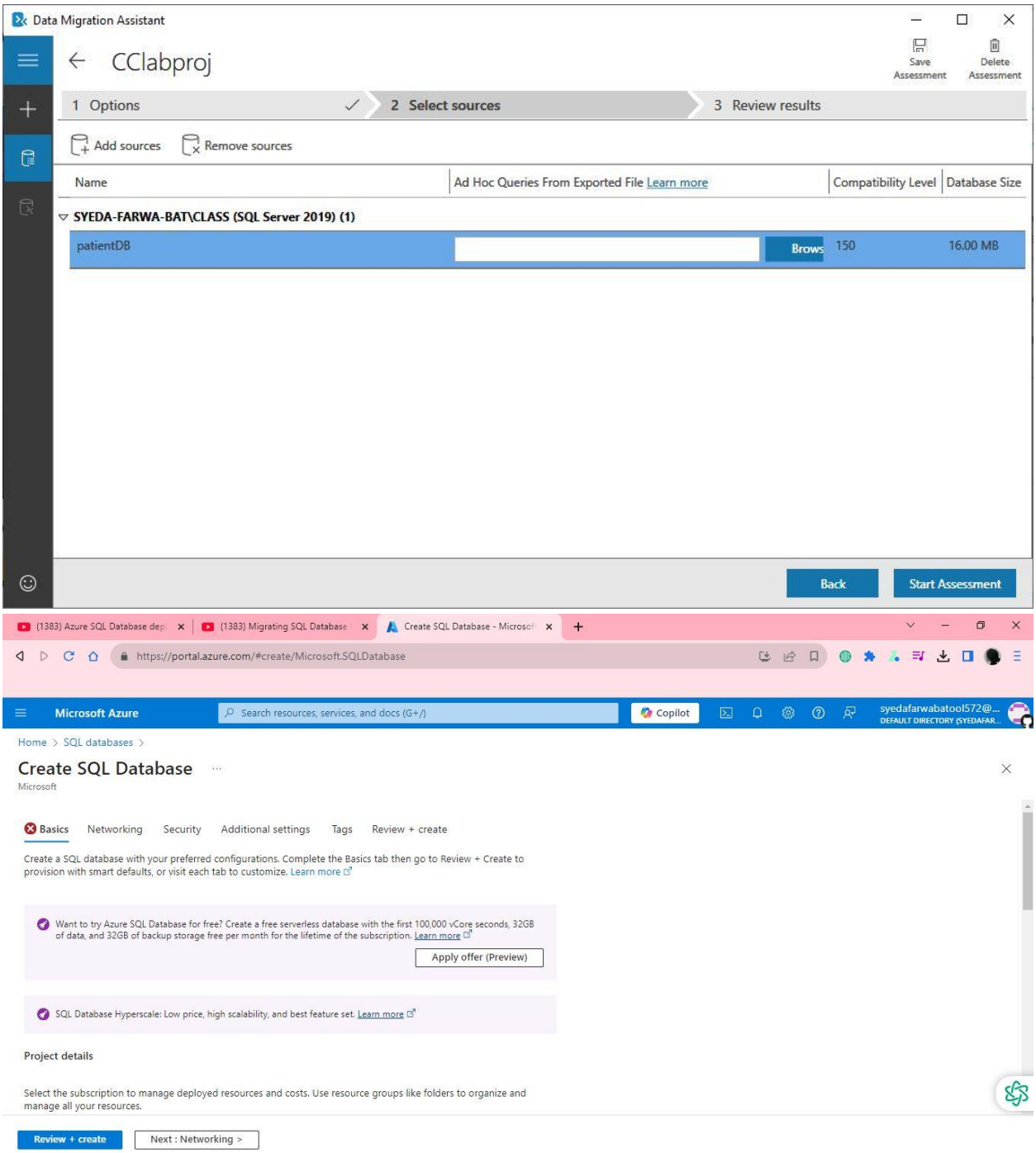

Microsoft SQL Server Management Studio
Quick Launch (Ctrl+Q)
File Edit View Tools Window Help
New Query
Execute
Object Explorer
Connect
SYEDA-FARWA-BAT\CLASS (SQL Server 15.0.2130.3 - SYEDA-FARWA-BAT\hp)
Databases
System Databases
Database Snapshots
Pinkeyeflu
Database Diagrams
Tables
System Tables
FileTables
External Tables
Graph Tables
dbo.Assigned
dbo.Cause
dbo.diagnosis
dbo.Etiology
dbo.Patients
dbo.physician
dbo.pinkeyeinfection
dbo.treatment
dbo.Userlogin
Views
External Resources
Synonyms
Programmability
Service Broker
Storage
Security
Security
Server Objects
Replication
Ready


Data Migration Assistant
Get started here
+ New
Use + to create a new project.
Welcome to Data Migration Assistant
Version: 5.8.5973.1
Did you know:
Azure Migrate can now discover and assess your SQL Server data estate running on VMware? Check for Azure SQL readiness, get recommendations, deployment types, and monthly cost estimates. Learn more:
https://aka.ms/dma-azmigrate-sql-migration
Azure Data Studio offers an enhanced experience for assessing and migrating SQL Server databases to Azure SQL Managed Instance or SQL Server on Azure Virtual Machine? Learn more:
https://aka.ms/dma-ads-sql-migration

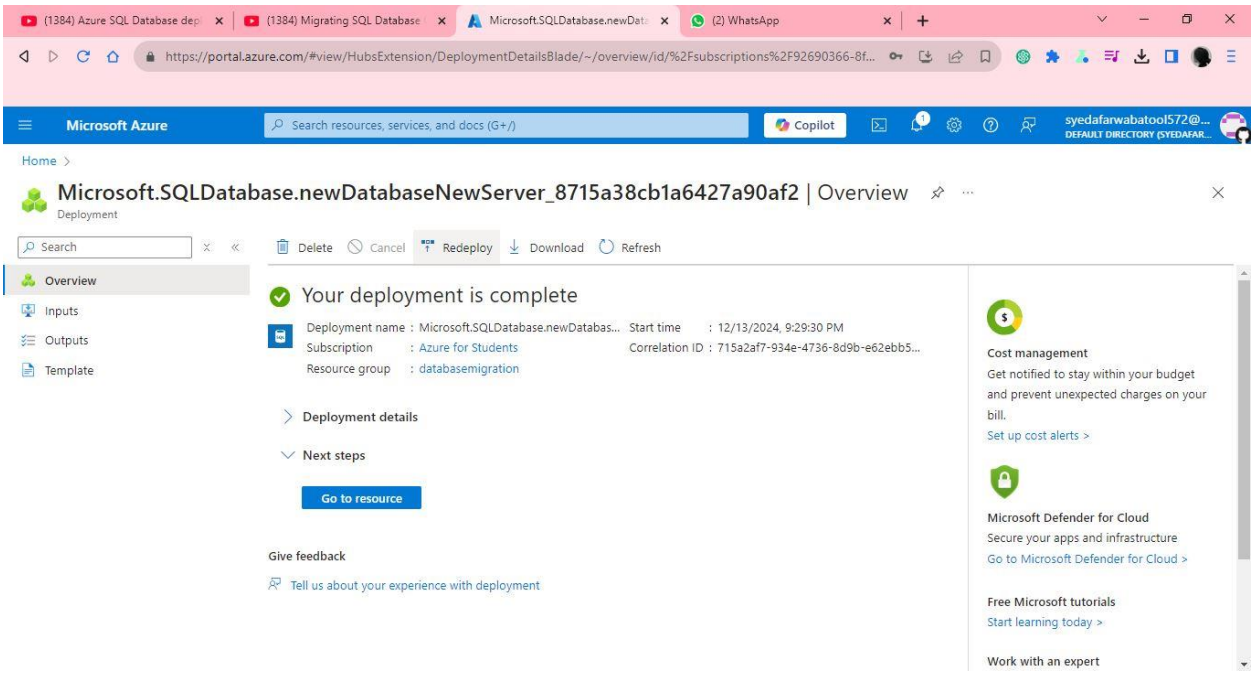

Data Migration Assistant
CClabproj
Save Assessment
Delete Assessment
1 Options
2 Select sources
3 Review results
Select report type
Check database compatibility
Discover migration blocking issues and deprecated features by analyzing databases you choose in your source server to be migrated to SQL Database.
Check feature parity
Discover unsupported or partially-supported features and functions that your applications may rely on. Get guidance around these areas that may need some re-engineering.
Next
Type here to search
10°C Haze
8:40 PM
12/13/2024

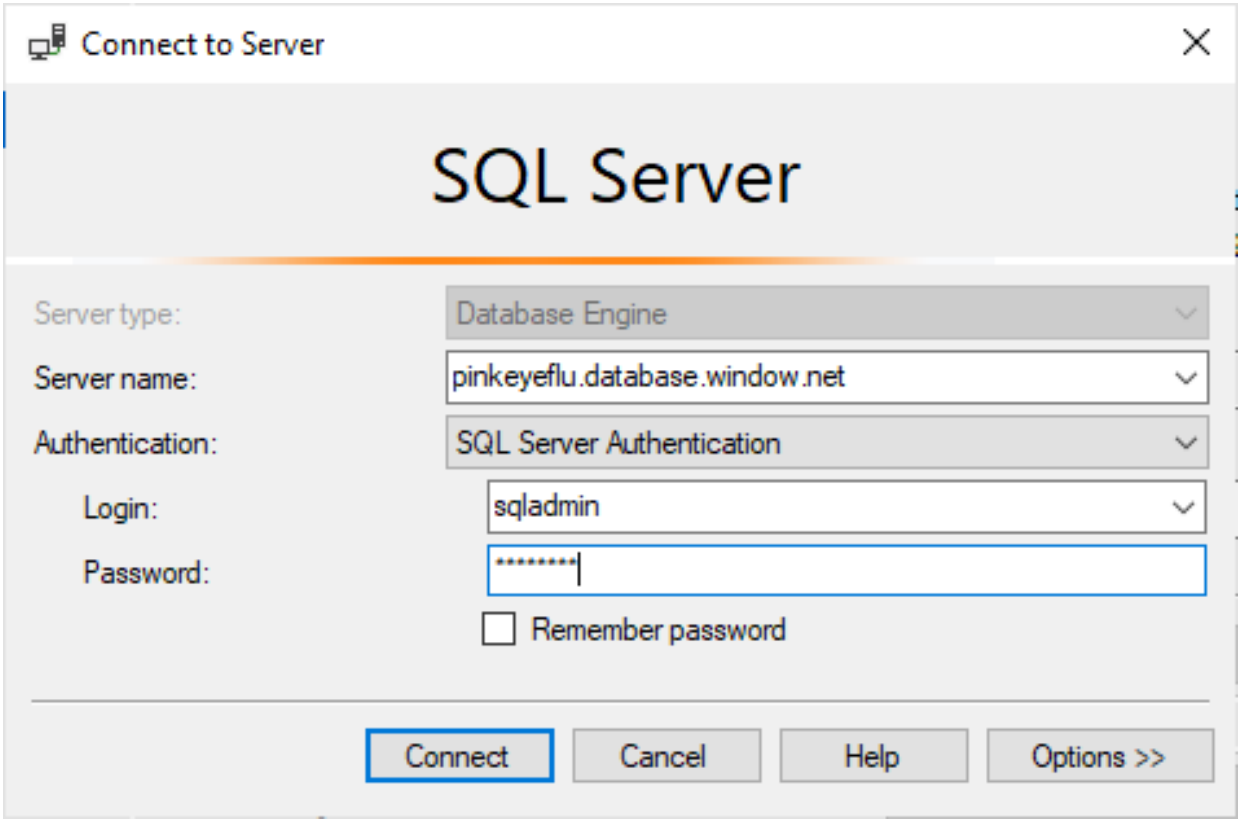

Data Migration Assistant
CClabproj
1 Options
2 Select sources
Add sources
Remove sources
Name
Ad Hoc Queries From Exported File Learn more
Connect to a server
Connect to a server and select sources
Server name
SYEDA-FARWA-BAT\CLASS
Authentication type
Windows Authentication
Connection properties
Encrypt connection
Trust server certificate
SQL Server permissions
To run the selected advisor(s), credentials used to connect to a source SQL Server instance must be a member of the sysadmin server role.
Connect

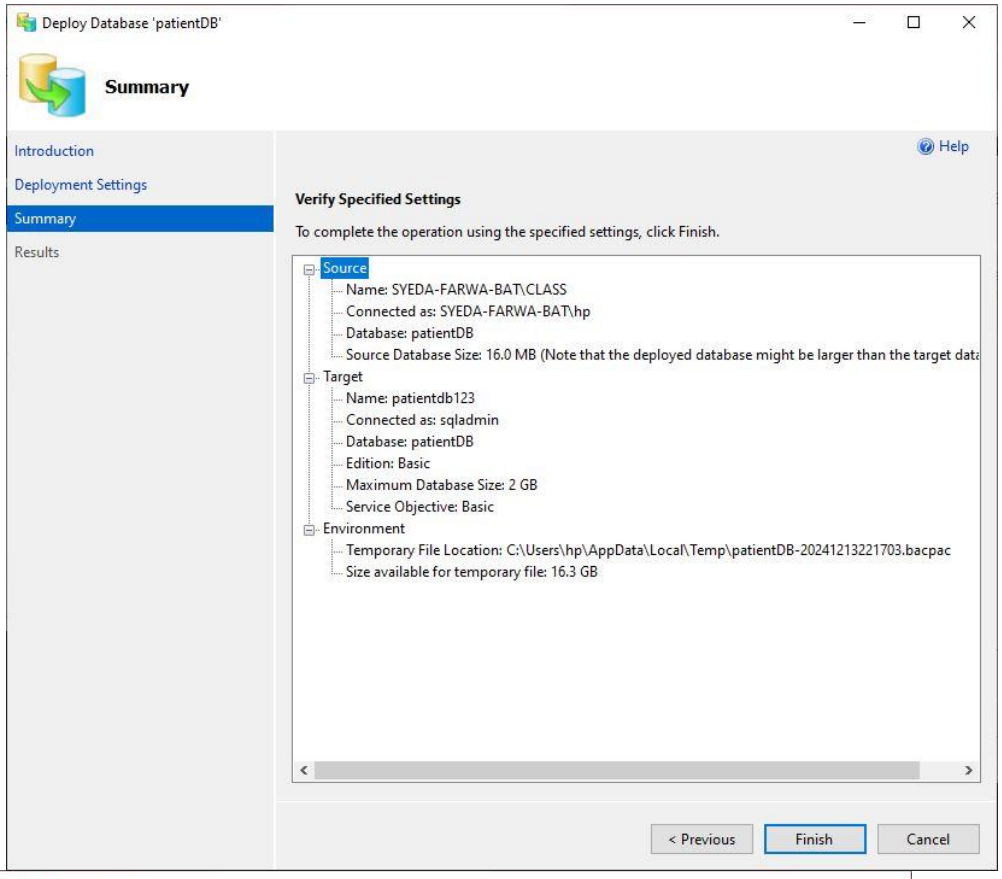

Data Migration Assistant
CClabproj
1 Options
2 Select sources
Add sources
Remove sources
Name
Ad Hoc Queries From Exported File Learn more
Add sources
Connect to a server and select sources
SYEDA-FARWA-BAT\CLASS
patientDB
Pinkeyeflu
Enter folder path containing files with extended events or traces to be assessed
Browse
Add

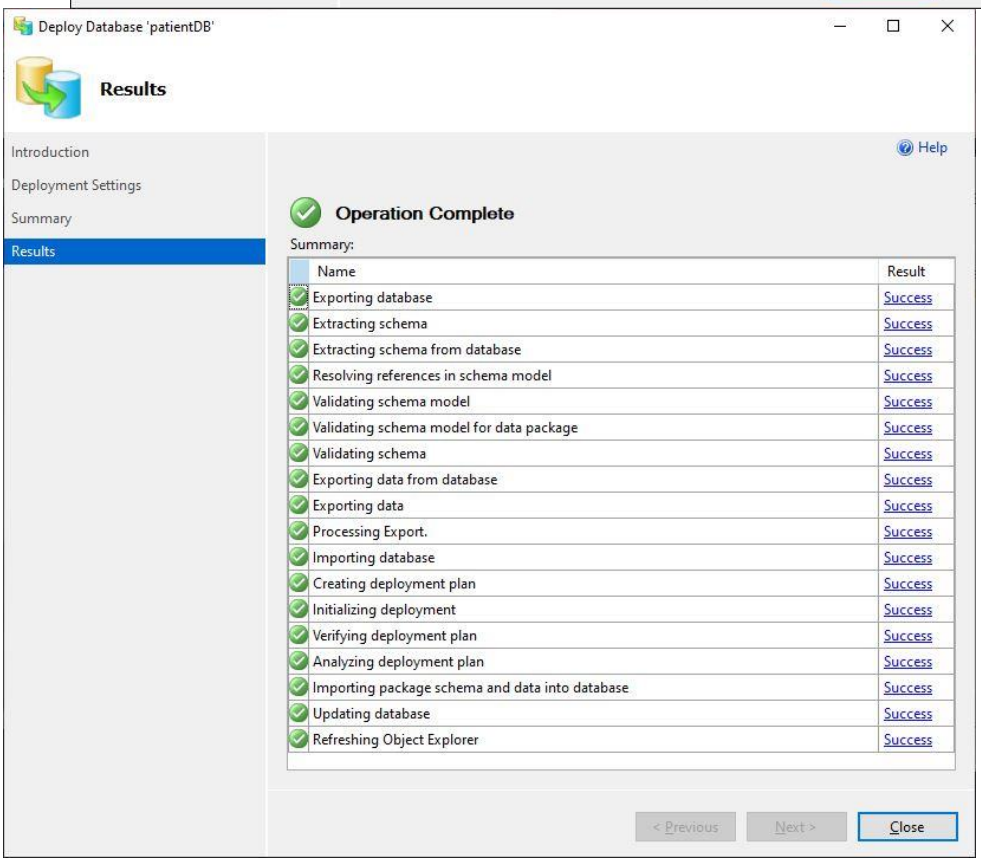

Data Migration Assistant
CClabproj
Save Assessment
Delete Assessment
1 Options
2 Select sources
3 Review results
Add sources
Remove sources
Name
Ad Hoc Queries From Exported File Learn more
Compatibility Level
Database Size
SYEDA-FARWA-BAT\CLASS (SQL Server 2019) (1)
patientDB
Brows
150
16.00 MB
Back
Start Assessment

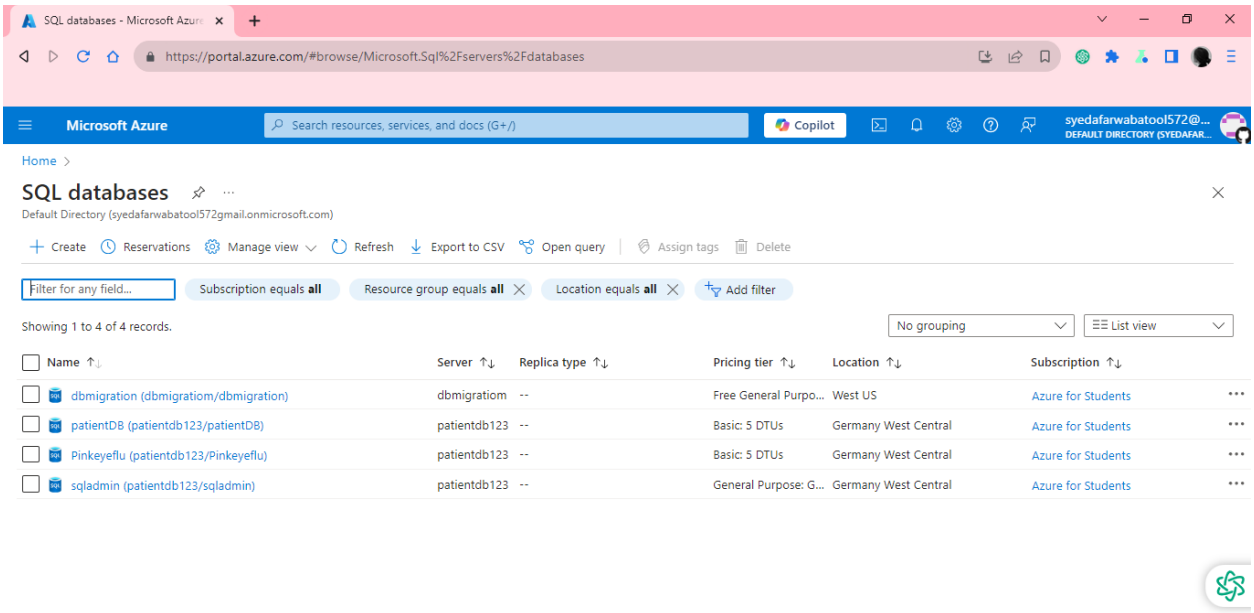
(1383) Azure SQL Database dep
(1383) Migrating SQL Database
Create SQL Database - Microsof
https://portal.azure.com/#create/Microsoft.SQLDatabase
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
syedafarwabatool572@...
DEFAULT DIRECTORY (SYEDAFAR...
Home > SQL databases >
Create SQL Database
Microsoft
Basics
Networking
Security
Additional settings
Tags
Review + create
Create a SQL database with your preferred configurations. Complete the Basics tab then go to Review + Create to provision with smart defaults, or visit each tab to customize. Learn more
Want to try Azure SQL Database for free? Create a free serverless database with the first 100,000 vCore seconds, 32GB of data, and 32GB of backup storage free per month for the lifetime of the subscription. Learn more
Apply offer (Preview)
SQL Database Hyperscale: Low price, high scalability, and best feature set. Learn more
Project details
Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.
Review + create
Next : Networking >

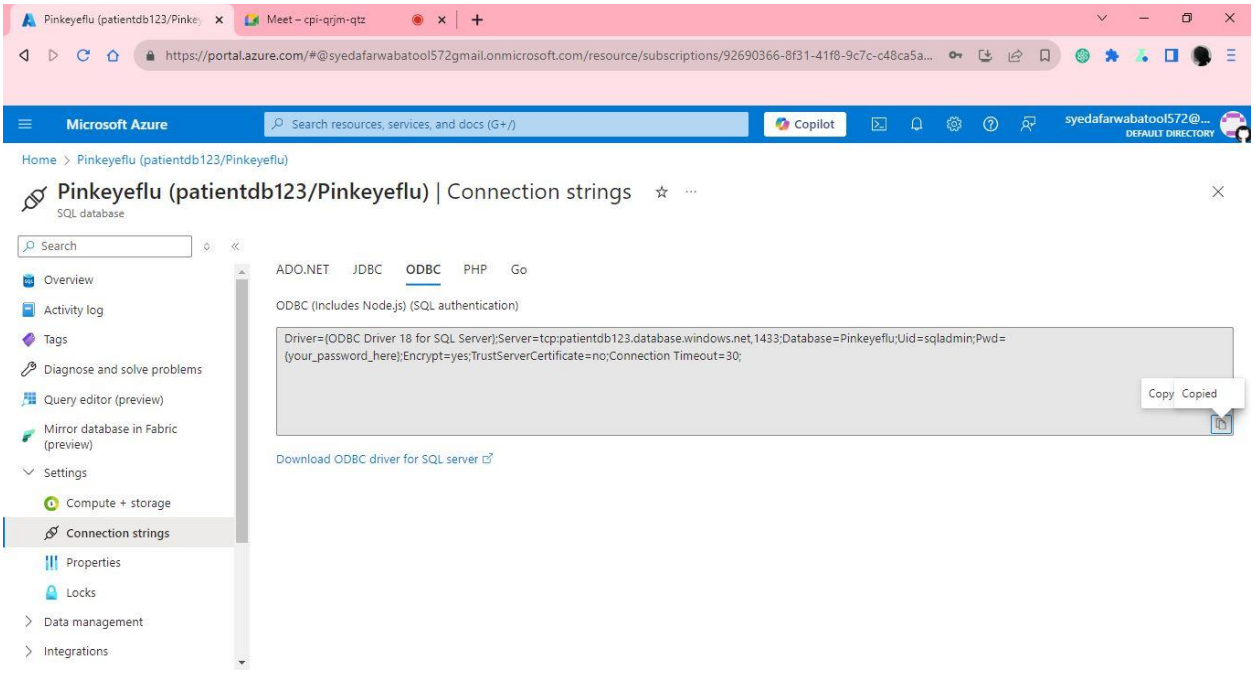

Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home
Microsoft.SQLDatabase.newDatabaseNewServer_8715a38cb1a6427a90af2 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name : Microsoft.SQLDatabase.newDatabas...
Subscription : Azure for Students
Resource group : databasemigration
Start time : 12/13/2024, 9:29:30 PM
Correlation ID : 715a2af7-934e-4736-8d9b-e62ebb5...
Deployment details
Next steps
Go to resource
Give feedback
Tell us about your experience with deployment
Cost management
Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >
Microsoft Defender for Cloud
Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >
Free Microsoft tutorials
Start learning today >
Work with an expert

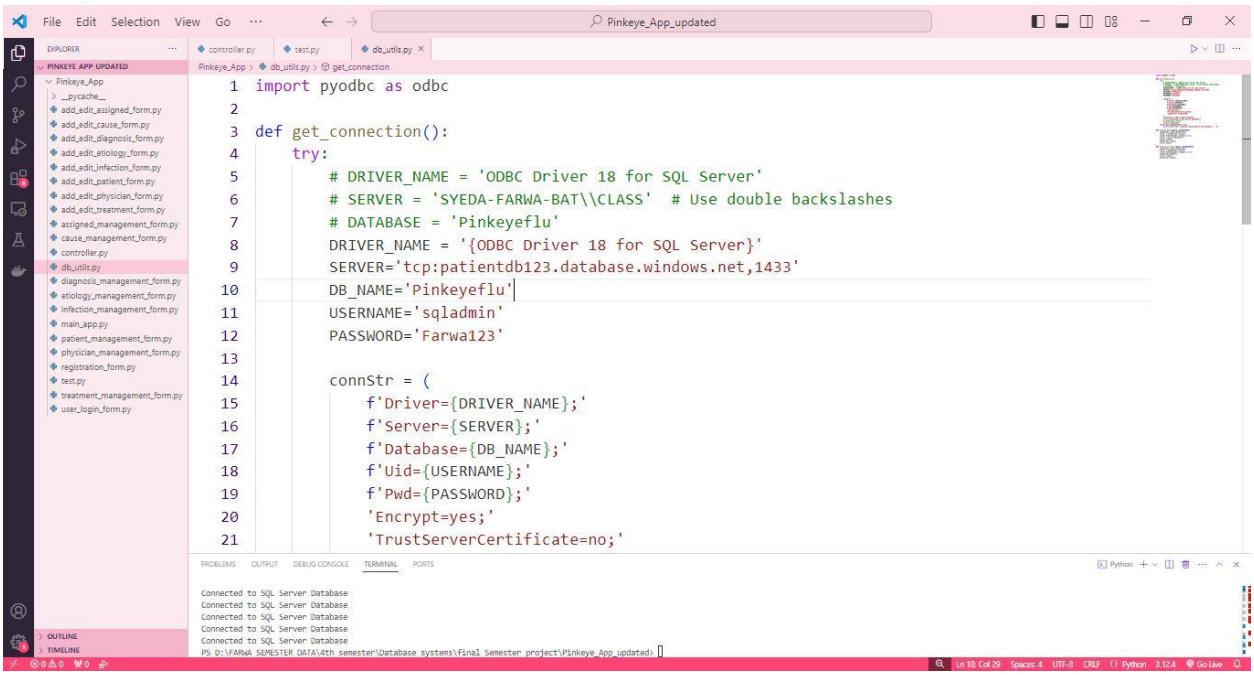

Connect to Server
SQL Server
Server type:
Database Engine
Server name:
pinkeyeflu.database.window.net
Authentication:
SQL Server Authentication
Login:
sqladmin
Password:
Remember password
Connect
Cancel
Help
Options >>

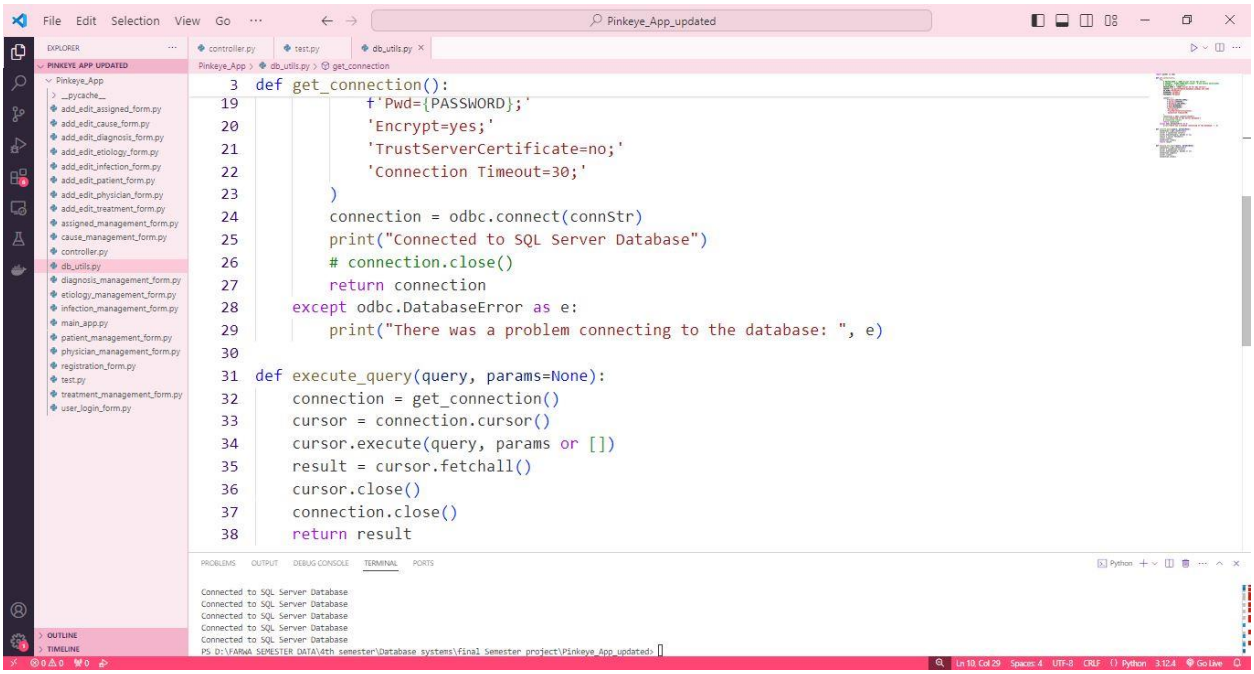

Deploy Database 'patientDB'
Summary
Introduction
Deployment Settings
Summary
Results
Help
Verify Specified Settings
To complete the operation using the specified settings, click Finish.
Source
Name: SYEDA-FARWA-BAT\CLASS
Connected as: SYEDA-FARWA-BAT\hp
Database: patientDB
Source Database Size: 16.0 MB (Note that the deployed database might be larger than the target data
Target
Name: patientdb123
Connected as: sqladmin
Database: patientDB
Edition: Basic
Maximum Database Size: 2 GB
Service Objective: Basic
Environment
Temporary File Location: C:\Users\hp\AppData\Local\Temp\patientDB-20241213221703.bacpac
Size available for temporary file: 16.3 GB
< Previous
Finish
Cancel


Deploy Database 'patientDB'
Results
Introduction
Deployment Settings
Summary
Results
Help
Operation Complete
Summary:
Name
Result
Exporting database
Success
Extracting schema
Success
Extracting schema from database
Success
Resolving references in schema model
Success
Validating schema model
Success
Validating schema model for data package
Success
Validating schema
Success
Exporting data from database
Success
Exporting data
Success
Processing Export.
Success
Importing database
Success
Creating deployment plan
Success
Initializing deployment
Success
Verifying deployment plan
Success
Analyzing deployment plan
Success
Importing package schema and data into database
Success
Updating database
Success
Refreshing Object Explorer
Success
< Previous
Next >
Close


SQL databases - Microsoft Azure
https://portal.azure.com/#browse/Microsoft.Sql%2Fservers%2Fdatabases
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
syedafarwabatool572@...
DEFAULT DIRECTORY (SYEDAFAR...
Home
SQL databases
Default Directory (syedafarwabatool572gmail.onmicrosoft.com)
Create
Reservations
Manage view
Refresh
Export to CSV
Open query
Assign tags
Delete
Filter for any field...
Subscription equals all
Resource group equals all
Location equals all
Add filter
Showing 1 to 4 of 4 records.
No grouping
List view
Name
Server
Replica type
Pricing tier
Location
Subscription
dbmigration (dbmigratiom/dbmigration)
dbmigratiom
--
Free General Purpo...
West US
Azure for Students
patientDB (patientdb123/patientDB)
patientdb123
--
Basic: 5 DTUs
Germany West Central
Azure for Students
Pinkeyeflu (patientdb123/Pinkeyeflu)
patientdb123
--
Basic: 5 DTUs
Germany West Central
Azure for Students
sqladmin (patientdb123/sqladmin)
patientdb123
--
General Purpose: G...
Germany West Central
Azure for Students
< Previous
Page 1 of 1
Next >
Give feedback


Pinkeyeflu (patientdb123/Pinke
Meet – cpi-qrjm-qtz
https://portal.azure.com/#@syedafarwabatool572gmail.onmicrosoft.com/resource/subscriptions/92690366-8f31-41f8-9c7c-c48ca5a...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
syedafarwabatool572@...
DEFAULT DIRECTORY
Home
Pinkeyeflu (patientdb123/Pinkeyeflu)
Pinkeyeflu (patientdb123/Pinkeyeflu) | Connection strings
SQL database
Search
Overview
Activity log
Tags
Diagnose and solve problems
Query editor (preview)
Mirror database in Fabric (preview)
Settings
Compute + storage
Connection strings
Properties
Locks
Data management
Integrations
ADO.NET
JDBC
ODBC
PHP
Go
ODBC (Includes Node.js) (SQL authentication)
Driver={ODBC Driver 18 for SQL Server};Server=tcp:patientdb123.database.windows.net,1433;Database=Pinkeyeflu;Uid=sqladmin;Pwd={your_password_here};Encrypt=yes;TrustServerCertificate=no;Connection Timeout=30;
Copy
Copied
Download ODBC driver for SQL server


File Edit Selection View Go
Pinkeye_App_updated
EXPLORER
PINKEYE APP UPDATED
Pinkeye_App
__pycache__
add_edit_assigned_form.py
add_edit_cause_form.py
add_edit_diagnosis_form.py
add_edit_etiology_form.py
add_edit_infection_form.py
add_edit_patient_form.py
add_edit_physician_form.py
add_edit_treatment_form.py
assigned_management_form.py
cause_management_form.py
controller.py
db_utils.py
diagnosis_management_form.py
etiology_management_form.py
infection_management_form.py
main_app.py
patient_management_form.py
physician_management_form.py
registration_form.py
test.py
treatment_management_form.py
user_login_form.py
OUTLINE
TIMELINE
controller.py
test.py
db_utils.py
Pinkeye_App > db_utils.py > get_connection
1 import pyodbc as odbc
2
3 def get_connection():
4 try:
5 # DRIVER_NAME = 'ODBC Driver 18 for SQL Server'
6 # SERVER = 'SYEDA-FARWA-BAT\\CLASS' # Use double backslashes
7 # DATABASE = 'Pinkeyeflu'
8 DRIVER_NAME = '{ODBC Driver 18 for SQL Server}'
9 SERVER='tcp:patientdb123.database.windows.net,1433'
10 DB_NAME='Pinkeyeflu'
11 USERNAME='sqladmin'
12 PASSWORD='Farwa123'
13
14 connStr = (
15 f'Driver={DRIVER_NAME};'
16 f'Server={SERVER};'
17 f'Database={DB_NAME};'
18 f'Uid={USERNAME};'
19 f'Pwd={PASSWORD};'
20 'Encrypt=yes;'
21 'TrustServerCertificate=no;'
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Python
Connected to SQL Server Database
Connected to SQL Server Database
Connected to SQL Server Database
Connected to SQL Server Database
Connected to SQL Server Database
PS D:\FARWA SEMESTER DATA\4th semester\Database systems\final Semester project\Pinkeye_App_updated>
Ln 10, Col 29 Spaces: 4 UTF-8 CRLF Python 3.12.4 Go Live


File Edit Selection View Go
Pinkeye_App_updated
EXPLORER
PINKEYE APP UPDATED
Pinkeye_App
__pycache__
add_edit_assigned_form.py
add_edit_cause_form.py
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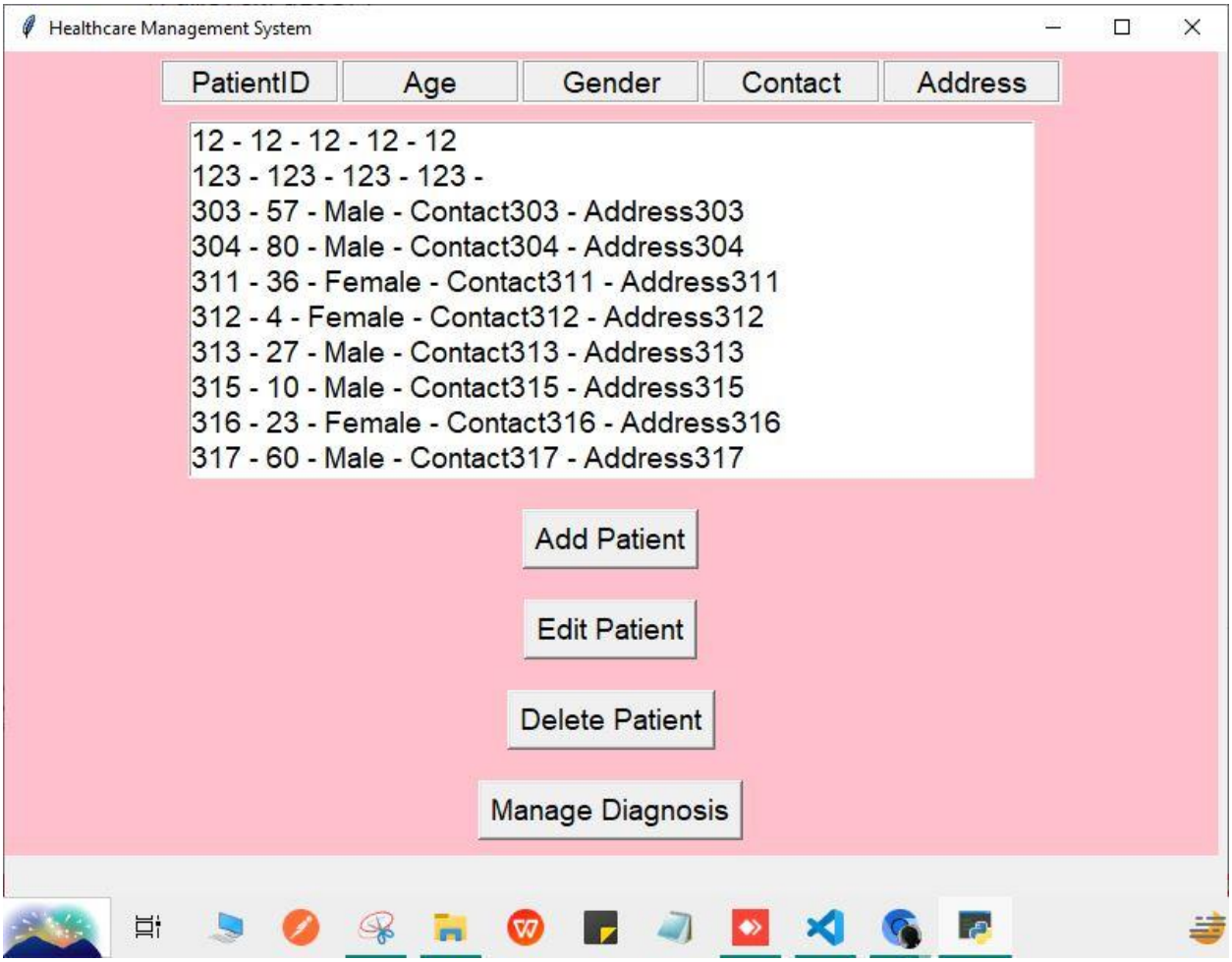
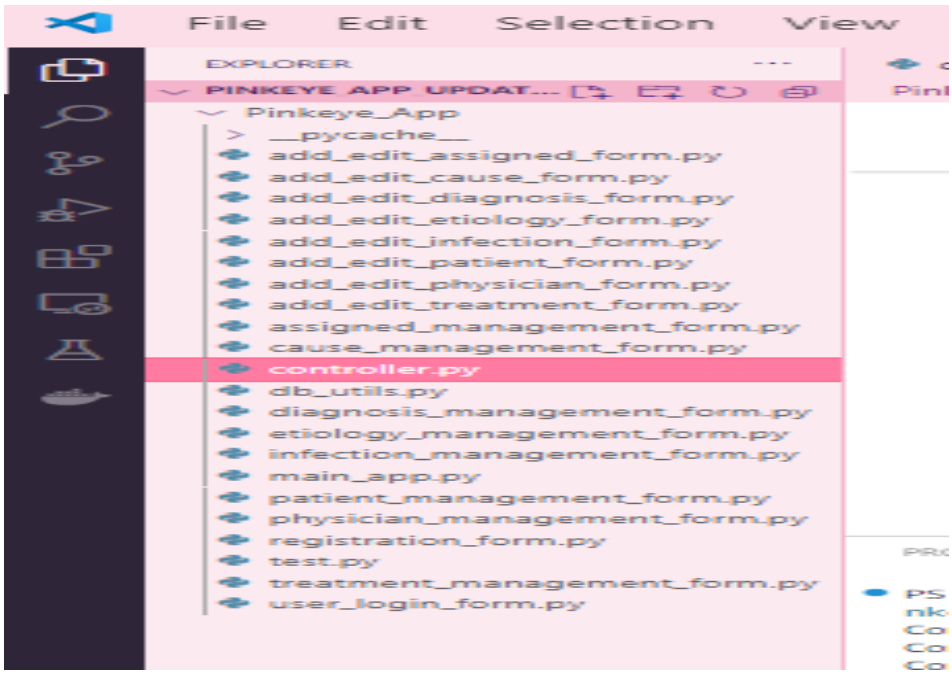
physician_management_form.py
registration_form.py
test.py
treatment_management_form.py
user_login_form.py
OUTLINE
TIMELINE
controller.py
test.py
db_utils.py
Pinkeye_App > db_utils.py > get_connection
3 def get_connection():
19 f'Pwd={PASSWORD};'
20 'Encrypt=yes;'
21 'TrustServerCertificate=no;'
22 'Connection Timeout=30;'
23)
24 connection = odbc.connect(connStr)
25 print("Connected to SQL Server Database")
26 # connection.close()
27 return connection
28 except odbc.DatabaseError as e:
29 print("There was a problem connecting to the database: ", e)
30
31 def execute_query(query, params=None):
32 connection = get_connection()
33 cursor = connection.cursor()
34 cursor.execute(query, params or [])
35 result = cursor.fetchall()
36 cursor.close()
37 connection.close()
38 return result
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Python
Connected to SQL Server Database
Connected to SQL Server Database
Connected to SQL Server Database
Connected to SQL Server Database
Connected to SQL Server Database
PS D:\FARWA SEMESTER DATA\4th semester\Database systems\final Semester project\Pinkeye_App_updated>
Ln 10, Col 29 Spaces: 4 UTF-8 CRLF Python 3.12.4 Go Live


Healthcare Management System
PatientID
Age
Gender
Contact
Address
12 - 12 - 12 - 12 - 12
123 - 123 - 123 - 123 -
303 - 57 - Male - Contact303 - Address303
304 - 80 - Male - Contact304 - Address304
311 - 36 - Female - Contact311 - Address311
312 - 4 - Female - Contact312 - Address312
313 - 27 - Male - Contact313 - Address313
315 - 10 - Male - Contact315 - Address315
316 - 23 - Female - Contact316 - Address316
317 - 60 - Male - Contact317 - Address317
Add Patient
Edit Patient
Delete Patient
Manage Diagnosis


File
Edit
Selection
View
EXPLORER
PINKEYE APP UPDAT...
Pinkeye_App
__pycache__
add_edit_assigned_form.py
add_edit_cause_form.py
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user_login_form.py