

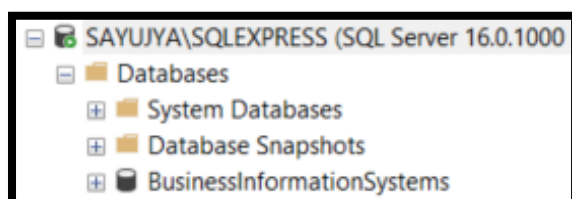
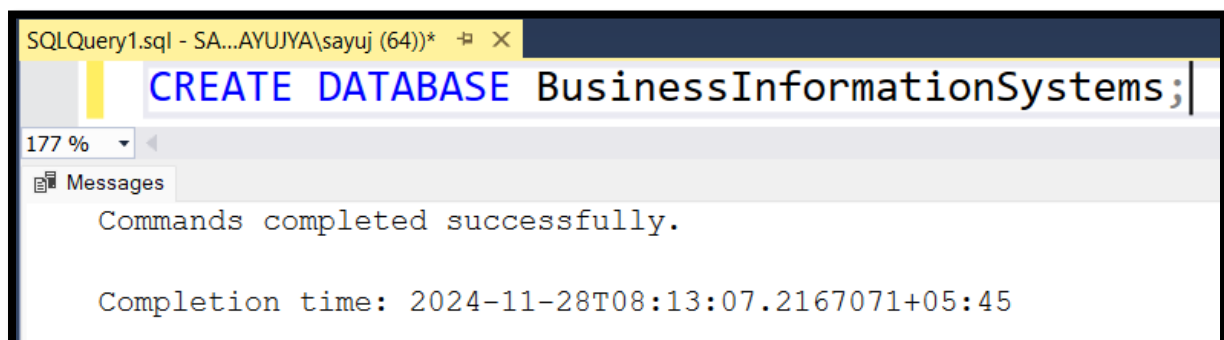
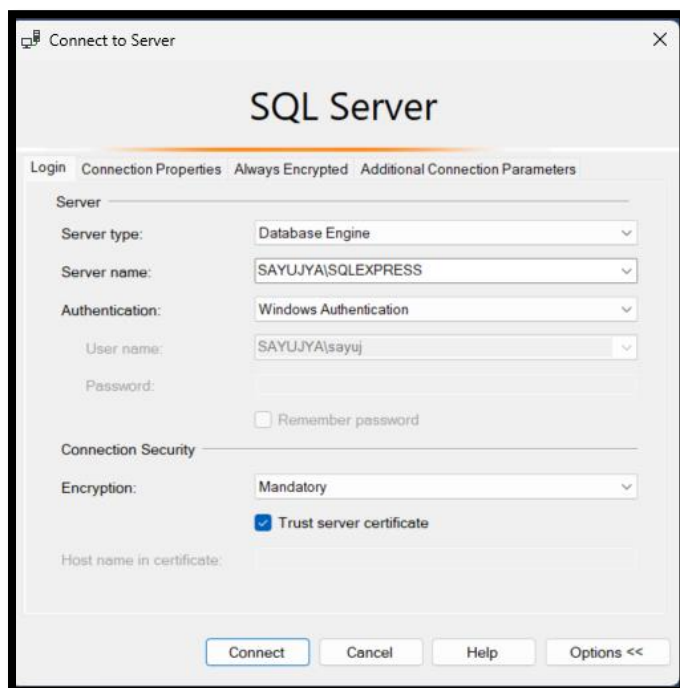
## 1. Installing Python

We installed python from the official website python.org and added it to the system PATH during installation.

```
C:\Users\sayuj\OneDrive\Desktop\BIM054\00_BIM_Repo\06_BIM6th\BIS>python --version  
Python 3.12.3
```

## 2. Installing MSSQL and Setting up a new database

SQL Server Express Edition was downloaded from Microsoft, and a database named BusinessInformationSystem was created.



### 3. Testing Important Libraries in Python

Python libraries, numpy and math was imported and tested.

#### Code:

```
import numpy as np
import math
a = 16
randomArray = np.random.randint(10, size=5)
print(math.sqrt(a))
print(randomArray)
```

#### Output:

```
C:\Users\sayuj\OneDrive\Desktop\BIM054\00_BIM_Repo>python -u
4.0
[1 7 9 0 3]
```