**Utility: Performing CRUD operations on different databases using Python**

Python installed**:** Python 3.8.4 32-bit

* Installation link: <https://www.python.org/downloads/>

IDE used: Visual Studio Code

* Installation link: <https://code.visualstudio.com/download>.

**MongoDB**

Installations required:

1. Robo 3T

* Installation link:

<https://robomongo.org/download>

1. MongoDB Community Server

* Installation link:

<https://www.mongodb.com/try/download/community>

Python Library Used: pymongo

Reference: <https://youtu.be/onuOSdOWcqQ>

**MySql**

Installations required:

1. MySQL Community Server 8.0.21

* Installation link:

<https://dev.mysql.com/downloads/mysql/>

1. MySQL Workbench 8.0.21

* Installation link:

<https://dev.mysql.com/downloads/workbench/>

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Python Library Used: mysql-connector-python

Reference: <https://youtu.be/g60QghtJmjY>

**MS-SQL**

Installations required:

1. Microsoft SQL Server 2019

* Installation link:

<https://www.microsoft.com/en-us/sql-server/sql-server-downloads>

1. SQL Server Management Studio (SSMS):

* Installation link:

<https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?redirectedfrom=MSDN&view=sql-server-ver15>

Python Library Used: pyodbc

Reference: <https://youtu.be/aF552bMEcO4>

**Oracle database:**

Installations required:

## SQL Developer 20.2

## Installation link:

## <https://www.oracle.com/tools/downloads/sqldev-downloads.html>

#### Oracle Database Express Edition (XE) Release 11.2.0.2.0 (11gR2)

* Installation link:

<https://www.oracle.com/database/technologies/xe-prior-releases.html>

#### Java SE Development Kit 8u261

* Installation link:

<https://www.oracle.com/java/technologies/javase/javase-jdk8-downloads.html>

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Python Library Used: cx\_Oracle

**PostgresQL database:**

Installations required:

## PostgreSQL

## Installation link:

https://www.enterprisedb.com/downloads/postgres-postgresql-

downloads

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Python Library Used: psycopg2

Reference:  <https://youtu.be/2PDkXviEMD0>