- 1. What is MySQL?
- MySQL is an open-source relational database management system.
- Requires server installation and client connection.
- 2. Connecting to MySQL using Python:

```
import mysql.connector
```

conn.commit()

```
conn = mysql.connector.connect(
  host="localhost",
  user="your_username",
  password="your_password",
  database="your_db"
)
cursor = conn.cursor()
3. Creating a Table:
cursor.execute("""
  CREATE TABLE IF NOT EXISTS users (
    id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100),
    phone VARCHAR(20)
  )
""")
```

4. Inserting Data:
cursor.execute("INSERT INTO users (name, phone) VALUES (%s, %s)", ("Alice", "0123456789"))
conn.commit()
5. Fetching Data:
cursor.execute("SELECT * FROM users")
rows = cursor.fetchall()
for row in rows:
print(row)
6. Updating Data:
cursor.execute("UPDATE users SET phone=%s WHERE name=%s", ("01987654321", "Alice"))
conn.commit()
7. Deleting Data:
cursor.execute("DELETE FROM users WHERE name=%s", ("Alice",))
conn.commit()
8. Closing Connection:
conn.close()