**Lab Exercise 12 - Read Data from an Excel File and Insert it into a DBMS Table**

**Task 1: Read Data from an Excel File and Insert it into a DBMS Table**

Now, let’s read data from an Excel file and insert it into a MySQL table.

**Steps:**

1. **Python Code to read data from Excel and insert into MySQL:**

import mysql.connector

import pandas as pd

# Read the Excel file into a pandas DataFrame

df = pd.read\_excel('input\_data.xlsx', engine='openpyxl')

# Establish connection to the MySQL database

conn = mysql.connector.connect(

host='your\_host',

user='your\_username',

password='your\_password',

database='your\_database'

)

# Create a cursor object

cursor = conn.cursor()

# SQL Query to insert data into the table

insert\_query = """

INSERT INTO your\_table\_name (column1, column2, column3)

VALUES (%s, %s, %s)

"""

# Insert rows from the DataFrame into the MySQL table

for i, row in df.iterrows():

cursor.execute(insert\_query, tuple(row))

# Commit the transaction

conn.commit()

# Close the connection

cursor.close()

conn.close()