**Lab Exercise 11 - Read Data from a DBMS (MySQL) and Export it to Excel**

**Task 1: Read Data from a DBMS (MySQL) and Export it to Excel**

To export data from a MySQL database to an Excel file, you can use pandas in combination with mysql-connector-python.

**Steps:**

1. **Install necessary libraries** (if not already installed):

pip install pandas mysql-connector-python openpyxl

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

import mysql.connector

import pandas as pd

# Establish connection to the MySQL database

conn = mysql.connector.connect(

host='your\_host',

user='your\_username',

password='your\_password',

database='your\_database'

)

# Query to fetch data from the DBMS

query = "SELECT \* FROM your\_table\_name"

# Read the data into a pandas DataFrame

df = pd.read\_sql(query, conn)

# Export the DataFrame to an Excel file

df.to\_excel('output\_data.xlsx', index=False, engine='openpyxl')

# Close the connection

conn.close()