# ETL Lab Session 1

Create database schema ‘pvfc-ods’

Create database schema ‘pvfc-wh’

# Using Pentaho

Copy mysql-connector-java-5.1.47-bin (from Files -> References to Data Integration\lib folder)

Open Pentaho

Create Database Connections in Pentaho to verify connections are working

Graphical user interface, application

Description automatically generated

Text

Description automatically generated

# Create Transformation with following

* 1. Read sheet1 from campaigns\_2020.xls
  2. Write Table Output

Graphical user interface, text, application

Description automatically generated

Diagram

Description automatically generated

# Run the transformation and verify data is loaded

Loading OLTP data into ODS Schema

Copy load\_order\_ods.ktr

Change connections to verify they are working

Click SQL to create target table in pvfc-ods

Run transformation to confirm everything is working

# Using Tableau Prep

Design following Flows

1. Read Excel and load data into pvfc-ods

Graphical user interface, application

Description automatically generated

1. Design flow to read data from pvfc using following SQL and loading ODS table

select o.orderid, customerid, p.productid, productdescription, productfinish,orderdate, PRODUCTLINENAME, ORDEREDQUANTITY, PRODUCTSTANDARDPRICE

from order\_t o, orderline\_t l, product\_t p, productline\_t pl

where o.orderid = l.orderid

and l.productid = p.productid

and p.PRODUCTLINEID = pl.PRODUCTLINEID

Timeline

Description automatically generated with low confidence