# Bacchus Winery Business Reports

#### The following Bacchus Winery business reports were generated using a custom Python script that connects to the Bacchus Winery database. The script executes SQL queries and writes the results to individual text files. These reports provide valuable information about wine orders, supply inventory, and employee workload, aiding decision-making. Following each description, you will find screenshots of the output for each report.

#### **First Report: Pending Wine Orders**

The initial report lists all wine orders with a **Pending** status. It includes details such as the distributor's name, the wine ordered, the quantity, and the order date. This system helps the winery monitor outstanding orders that require follow-up or prioritization.

**Filename:** bacchus\_pending\_wine\_report.txt  
**Query Criteria:** Orders where OrderStatus = 'Pending'  
**Fields Included:** Distributor Name, Wine Name, Quantity, Order Date

###### Screenshot of Python code snippet for Pending Wine Orders:

A screen shot of a computer

AI-generated content may be incorrect.

###### Screenshot of output for Pending Wine Orders:

A close up of black text

AI-generated content may be incorrect.

#### **Second Report: Low Supply Inventory**

The second report highlights inventory items with fewer than **100 units on hand**, aiding management in reordering supplies proactively before depletion. Each item includes the supply type and its current quantity.

**Filename:** bacchus\_low\_supply\_inventory\_report.txt  
**Query Criteria:** Inventory where QuantityOnHand < 100  
**Fields Included:** Supply Description, Quantity On Hand

###### Screenshot of Python code snippet for Low Supply Inventory:A computer screen with text AI-generated content may be incorrect.

###### Screenshot of output for Low Supply Inventory:

A close up of words

AI-generated content may be incorrect.

#### **Third Report: Employee Weekly Hours**

The third report summarizes employee **hours worked** **weekly**. The application assists with workforce planning and payroll management and analyzes trends in employee utilization.

Filename: bacchus\_employee\_weekly\_hours\_report.txt

Query Criteria: All weekly entries from the EmployeeHours table

Fields Included: Employee Name, Week, Hours Worked

###### Screenshot of Python code snippet for Employee Weekly Hours::

A computer screen with many colorful text

AI-generated content may be incorrect.

###### Screenshot of output for Employee Weekly Hours:

A screenshot of a computer

AI-generated content may be incorrect.