

Team Bravo

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## Report #1 – Employee Time Card

During the turnover of Bacchus Winery, Stan and Davis Bacchus have decided to keep all existing personnel in place. Henry Doyle manages the production line and the 20 employees that work in line. The Bacchus' need an easy way to retrieve hours worked for their employees for each day. The employee time card report will tell how many hours each employee has worked during a specific work day. This will help to manage schedules and keep track of hours worked for payroll.

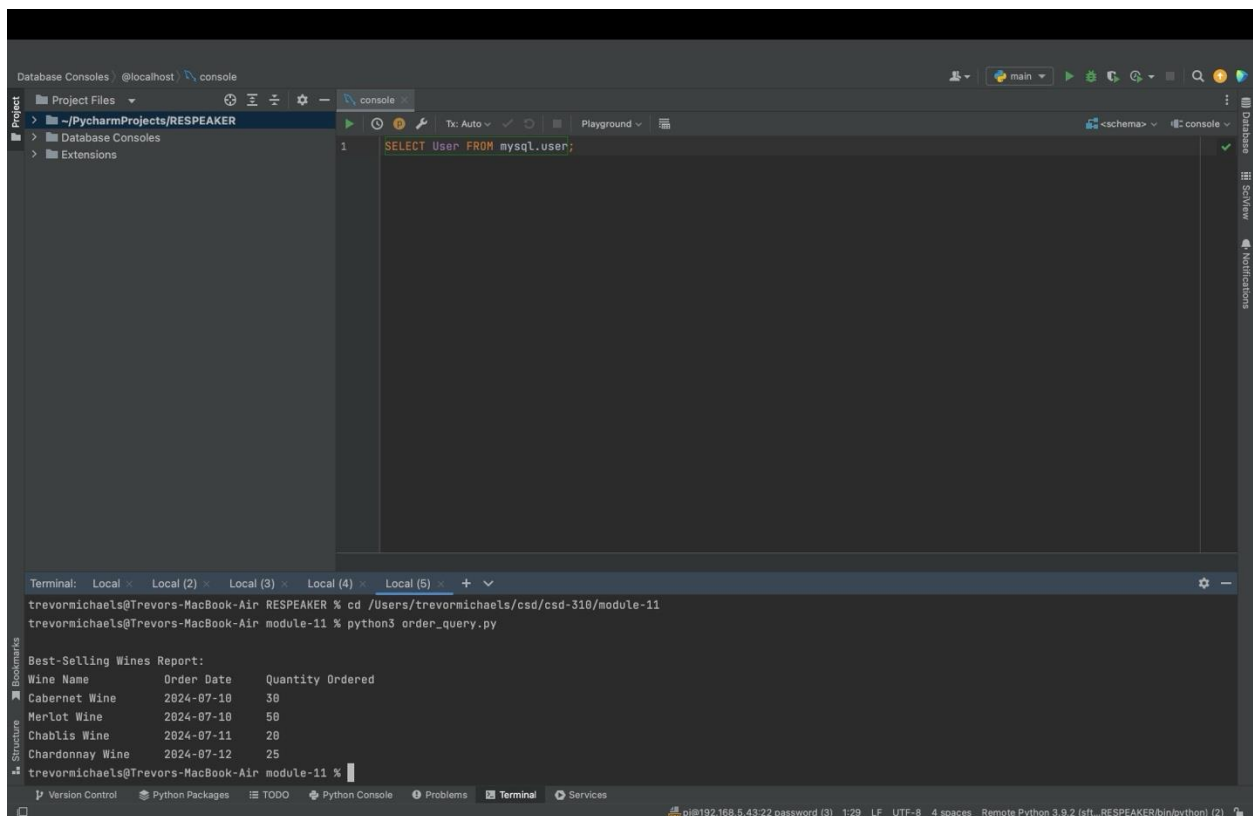
Report will display:

employee\_id

employee\_name

date

hours\_worked



The screenshot shows the PyCharm IDE interface. The top panel displays the 'Database Console' with a query: `SELECT User FROM mysql.user;`. The bottom panel shows a terminal window with the following output:

```
trevormichaels@Trevors-MacBook-Air RESPEAKER % cd /Users/trevormichaels/csd/csd-310/module-11
trevormichaels@Trevors-MacBook-Air module-11 % python3 order_query.py
```

Best-Selling Wines Report:

Wine Name	Order Date	Quantity Ordered
Cabernet Wine	2024-07-10	30
Merlot Wine	2024-07-10	50
Chablis Wine	2024-07-11	20
Chardonnay Wine	2024-07-12	25

The terminal window also shows the prompt `trevormichaels@Trevors-MacBook-Air module-11 %`.

## Report #2 – Wine Orders

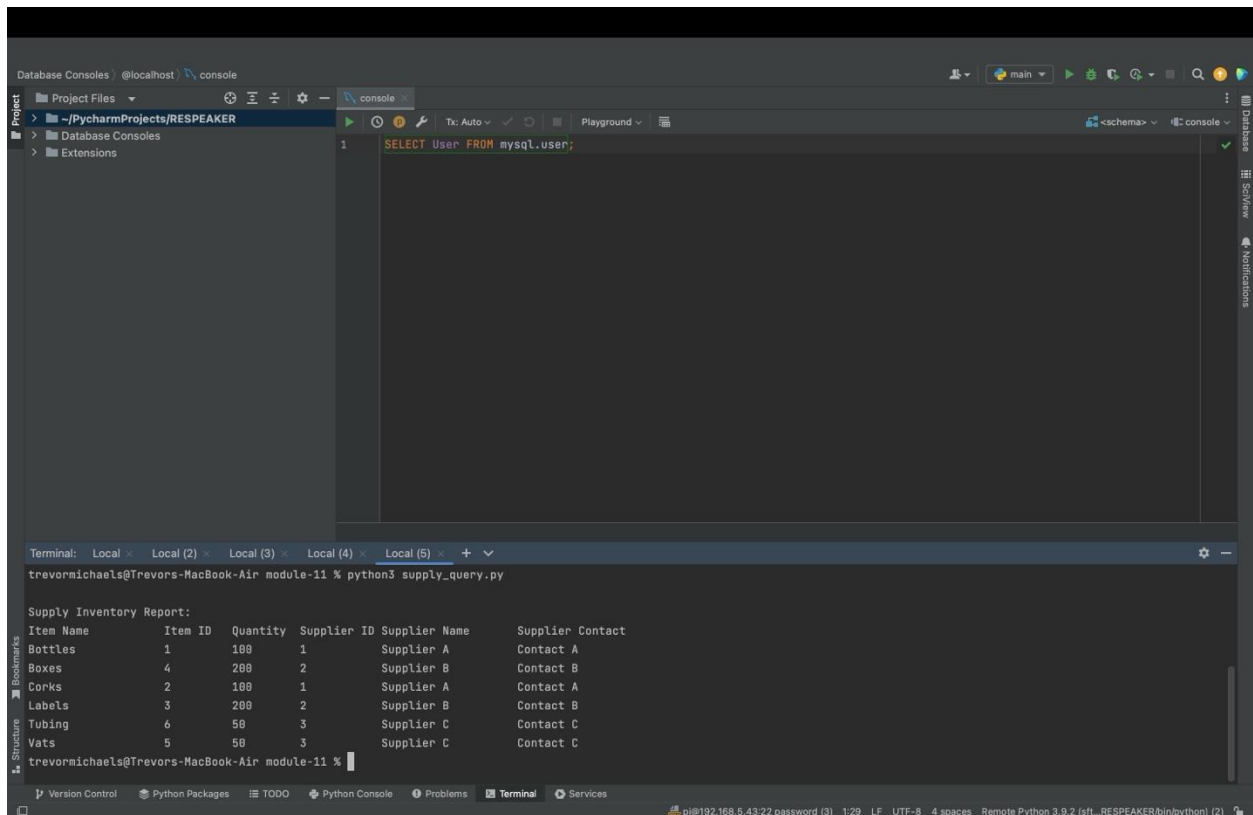
The Bacchus' are also looking for a way to record what wines are best-selling. They need a report that will show wine orders, the type of wine, and the quantity of each wine they are selling in these orders. This report will help them to keep track of what wines are being purchased more frequently and which wines are not selling as well.

Report will display:

wine\_name

order\_date

quantity ordered



The screenshot shows the PyCharm IDE interface. The top pane displays a SQL query in the 'console' tab: `SELECT User FROM mysql.user;`. The bottom pane shows the output of a Python script, 'supply\_query.py', which generates a 'Supply Inventory Report'.

```
Terminal: Local x Local (2) x Local (3) x Local (4) x Local (6) x + v
trevormichaels@Trevors-MacBook-Air module-11 % python3 supply_query.py

Supply Inventory Report:
Item Name      Item ID  Quantity  Supplier ID  Supplier Name  Supplier Contact
Bottles        1        100       1            Supplier A     Contact A
Boxes          4        200       2            Supplier B     Contact B
Corks          2        100       1            Supplier A     Contact A
Labels         3        200       2            Supplier B     Contact B
Tubing         6         50       3            Supplier C     Contact C
Vats           5         50       3            Supplier C     Contact C

trevormichaels@Trevors-MacBook-Air module-11 %
```

### Report #3 – Supply Inventory

The Bacchus Winery needs a simple and efficient way to keep track of their supplies in stock to better prepare for supply orders. The Supply inventory report will help them to know what they are running low on ahead of time and the amount of each supply they currently have. This report will also help to keep track of which supplier they get each supply from to simplify future orders.

Report will display:

SupplyItem item\_name

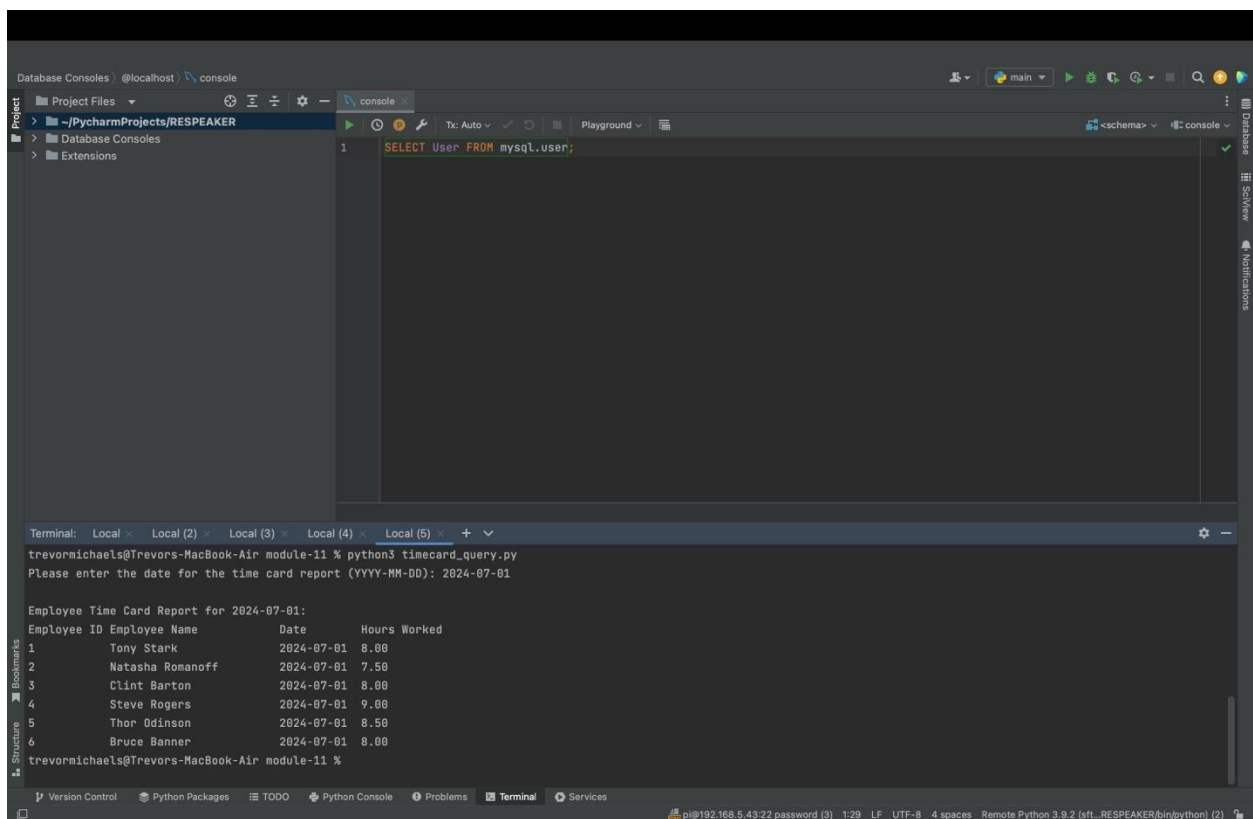
supply\_item\_id

quantity

supplier\_id

supplier\_name

supplier\_contact



## Report #4 – Wine Inventory

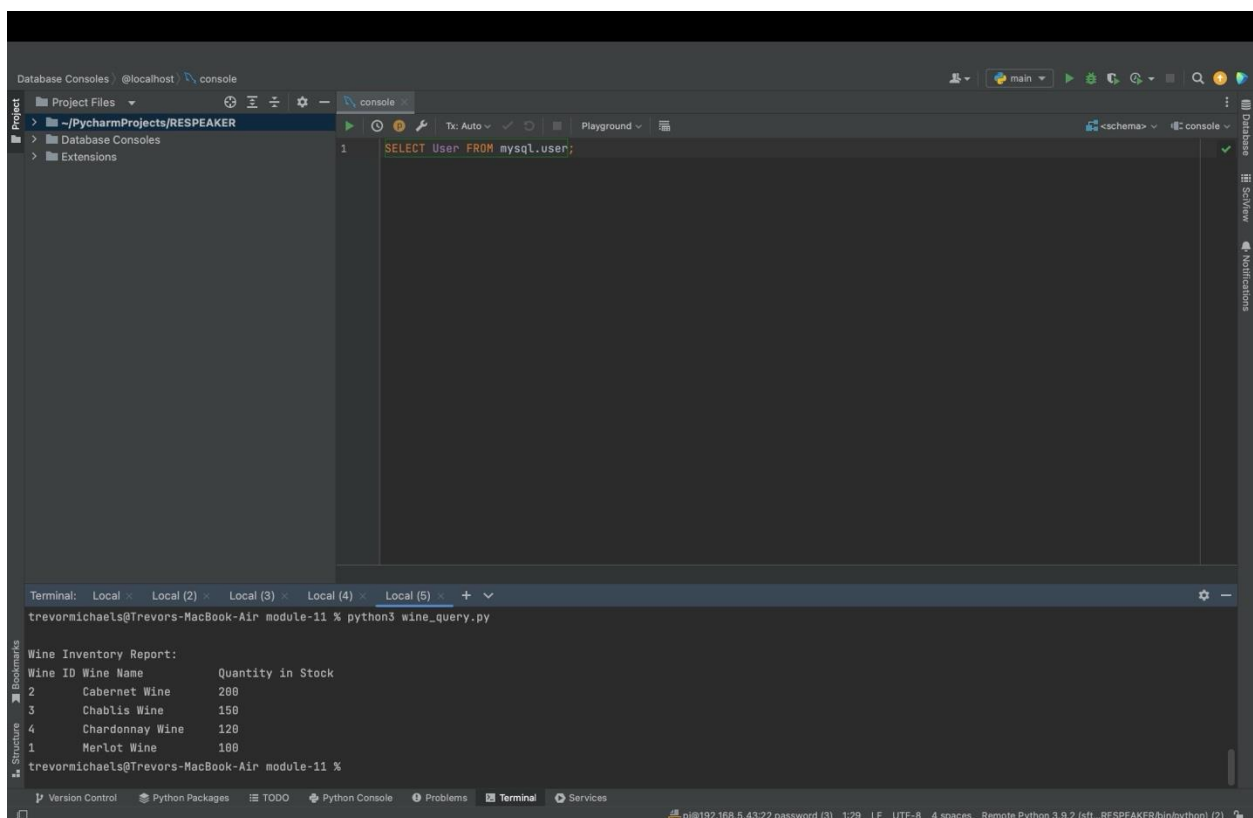
The wine inventory report will help Bacchus Winery to keep records of the quantity of each wine they currently have in stock. They can use this information to form daily production plans and weekly goals for the production line. This will help to ensure they always have the necessary wines in stock and ready for orders.

Report will display:

wine\_id

wine\_name

WineInventory quantity



The screenshot shows the PyCharm IDE interface. The top panel displays the 'Database Consoles' tab with a MySQL console window. The console shows a single query: `SELECT User FROM mysql.user;`. The bottom panel shows the 'Terminal' tab with a Python script execution output. The output displays a 'Wine Inventory Report' with the following data:

Wine ID	Wine Name	Quantity in Stock
2	Cabernet Wine	200
3	Chablis Wine	150
4	Chardonnay Wine	120
1	Merlot Wine	100

The terminal output also shows the command `python3 wine_query.py` and the user `trevormichaels@Trevors-MacBook-Air`.