Gregory Brisebois, CS-116 Lab 4

- Overview
The user can enter wines, and parameters to display them
(Output is too big to capture in one terminal window)

```
ohlone@ron-VirtualBox: ~/cs116/lab4

ohlone@ron-VirtualBox:~/cs116/lab4$ ./lab4.out
MADE BY GREGORY BRISEBOIS
CS116 OHLONE COLLEGE
-----------------------

-- Enter Wines --
Enter wine name: Prats
Enter vintage: 2011
Enter rating (0 - 100): 97
Enter price: $55
Enter wineary: WineFest
Enter another wine? y,n:
y
Enter wine name: Leeuwin
Enter vintage: 2011
Enter rating (0 - 100): 96
Enter price: $55
Enter wineary: Bobs
Enter another wine? y,n:
y
Enter wine name: Dow
Enter vintage: 2011
Enter rating (0 - 100): 99
Enter price: $82
Enter wineary: Napa
Enter another wine? y,n:
y
Enter wine name: Quinta
```

```
ohlone@ron-VirtualBox: ~/cs116/lab4

Enter wine name: Quinta
Enter vintage: 2011
Enter rating (0 - 100): 96
Enter price: $76
Enter wineary: VineFest
Enter another wine? y,n:
n

-- Display Options --
Enter min desired rating: 0
Enter max desired rating: 100
Enter min desired price: 0
Enter max desired price: 100
How do you want to sort? r = rating, p = price, n = none: n

-- Results --
|------------------------------------------------|
| Name        Vintage   Rating    Price      Wineary    |
| Prats       2011      97        $55.00     WineFest   |
| Leeuwin     2011      96        $55.00     Bobs       |
| Dow         2011      99        $82.00     Napa       |
| Quinta      2011      96        $76.00     VineFest   |
|------------------------------------------------|
| Total wines selected: 4
| Average wine price: $67.00
| Not sorted
|------------------------------------------------|
ohlone@ron-VirtualBox:~/cs116/lab4$
```

- Rating range & sort by price
Only show wines between 90 and 97 rating, and sort by price (low-hi)
Only 3 wines end up being shown, even though 4 are entered
Since the user entered "p", it is sorted by price

```
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Enter wine name: Prats
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Enter wineary: WineFest
Enter another wine? y,n:
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Enter vintage: 2011
Enter rating (0 - 100): 96
Enter price: $55
Enter wineary: Bobs
Enter another wine? y,n:
y
Enter wine name: Dow
Enter vintage: 2011
Enter rating (0 - 100): 99
Enter price: $82
Enter wineary: Napa
Enter another wine? y,n:
y
Enter wine name: Quinta
```

```
ohlone@ron-VirtualBox: ~/cs116/lab4
y
Enter wine name: Quinta
Enter vintage: 2011
Enter rating (0 - 100): 96
Enter price: $76
Enter wineary: VineFest
Enter another wine? y,n:
n

-- Display Options --
Enter min desired rating: 90
Enter max desired rating: 97
Enter min desired price: 0
Enter max desired price: 100
How do you want to sort? r = rating, p = price, n = none: p

-- Results --
|------------------------------------------------|
| Name       Vintage   Rating    Price      Wineary   |
| Prats      2011      97        $55.00     WineFest  |
| Leeuwin    2011      96        $55.00     Bobs      |
| Quinta     2011      96        $76.00     VineFest  |
|------------------------------------------------|
| Total wines selected: 3
| Average wine price: $62.00
| Sorted by price
|------------------------------------------------|
ohlone@ron-VirtualBox:~/cs116/lab4$
```

- Price range & sort by rating
The opposite of the last one: show only within a certain price and sort by rating.
Only 2 wines make the $50-60 cut, and they are in order of rating (high-low)

```
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CS116 OHLONE COLLEGE
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Enter vintage: 2011
Enter rating (0 - 100): 97
Enter price: $55
Enter wineary: WineFest
Enter another wine? y,n:
y
Enter wine name: Leeuwin
Enter vintage: 2011
Enter rating (0 - 100): 96
Enter price: $55
Enter wineary: Bobs
Enter another wine? y,n:
y
Enter wine name: Dow
Enter vintage: 2011
Enter rating (0 - 100): 99
Enter price: $82
Enter wineary: Napa
Enter another wine? y,n:
y
Enter wine name: Quinta
```

```
Enter another wine? y,n:
y
Enter wine name: Quinta
Enter vintage: 2011
Enter rating (0 - 100): 96
Enter price: $76
Enter wineary: VineFest
Enter another wine? y,n:
n

-- Display Options --
Enter min desired rating: 0
Enter max desired rating: 100
Enter min desired price: 50
Enter max desired price: 60
How do you want to sort? r = rating, p = price, n = none: r

-- Results --
|-------------------------------------------------|
| Name       Vintage   Rating    Price     Wineary    |
| Prats      2011      97        $55.00    WineFest   |
| Leeuwin    2011      96        $55.00    Bobs       |
|-------------------------------------------------|
| Total wines selected: 2
| Average wine price: $55.00
| Sorted by rating
|-------------------------------------------------|
ohlone@ron-VirtualBox:~/cs116/lab4$
```