02.2 - Software Sales

A software company sells a package that retails for $79. Quantity discounts are given according to the following tables:

Quantity	Discount
5-24	10 %
25-49	20 %
50-99	30 %
100 or more	45 %

Write a Python program that asks the user to enter the number of packages purchased. The program should then display the amount of the discount (if any) and the total amount of the purchase after the discount.

Test your program with the following data:

Input	Output	
quantity	discount	total
−3	Invalid Input!	
4	No discount applied.	$316.00
24	10 %	$1,706.40
42	20 %	$2,654.40
76	30 %	$4,202.80
202	45 %	$8,776.90

Finally, format your program to match the samples below. Your output should exactly match the sample output, character for character, including all white space and punctuation. Note: For the total, the precision of output must be set to 2, the output must be formatted with comma separators and a the '$' sign must be included with no space between the dollar sign and the value. User input in the sample has been highlighted in Pappy's Purple to distinguish it from the program's output, but your user input does not need to be colored. Save your program as `software_sales_login.py`, where `login` is your Purdue login. Then submit it along with a screenshot showing a run of **all 6** test cases.

Terminal

```
$ python software_sales_login.py
How many packages will be purchased: -1
  Invalid Input!
$ python software_sales_login.py
How many packages will be purchased: 4
  No discount applied.
  The total price for purchasing 4 packages is $316.00.
$ python software_sales_login.py
How many packages will be purchased: 202
  45% discount applied.
  The total price for purchasing 202 packages is $8,776.90.
```