# Software Sales

A software company sells a package that retails for $99. Quantity discounts are given according to the following tables:

| Quantity | Discount |
|---|---|
| 10-19 | 10 % |
| 20-49 | 25 % |
| 50-99 | 35 % |
| 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 |
| −5 | Invalid Input! | |
| 9 | No discount applied. | $891.00 |
| 14 | 10 % | $1,247.40 |
| 42 | 25 % | $3,118.50 |
| 76 | 35 % | $4,890.60 |
| 201 | 45 % | $10,944.45 |

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.py` and submit it along with a screenshot showing a run of **all 6** of the test cases.

Terminal

```
$ python software_sales.py
Please input the number of packages to be purchased: -1
  Invalid Input!
$ python software_sales.py
Please input the number of packages to be purchased: 9
  No discount applied.
  The final price for purchasing 9 packages is $891.00.
$ python software_sales.py
Please input the number of packages to be purchased: 201
  45% discount applied.
  The final price for purchasing 201 packages is $10,944.45.
```