Exercise

- Complete the get_discount() function which returns the discount amount (a float number rounded to 2 decimal places). The function is passed two arguments, the amount and the discount rate.

```python
def get_discount(amount, rate):
    discount_message = "Discount: $" + str(get_discount(234, 5))
    print(discount_message)
    discount_message = "Discount: $" + str(get_discount(125, 15))
    print(discount_message)

Discount: $11.7
Discount: $18.75
```
Exercise

- Complete the `get_discount_message()` function which returns a string made up of the rate of discount, followed by the string "% Discount: $", followed by the discount amount. The function has two parameters, the discount amount and the discount rate.

```python
def get_discount_message(discount, rate):
    message = get_discount_message(11.7, 5)
    print(message)
    message = get_discount_message(98.55, 15)
    print(message)
```

5% Discount: $11.7
15% Discount: $98.55
Exercise

- Complete the `print_docket()` function which prints the sales docket information (the format should be as shown in the output shown). The function is passed two arguments, the cost price and the discount rate. Your function code MUST make a call to both the functions: `get_discount()`, `get_discount_message()`.

```python
def get_discount(amount, rate):
    # code from slide 23

def get_discount_message(discount, rate):
    # code from slide 24

def print_docket(cost, discount_rate):

print_docket(234, 5)
print()  
print_docket(657, 15)
```

- Original price $234
  5% Discount: $11.7
  Price $222.3

- Original price $657
  15% Discount: $98.55
  Price $558.45
The following program prompts the user for a number of items to be packaged. Each box can hold 10 items. Any left over items require an extra box. The first 6 boxes cost $8 each and any boxes above the first 6, cost $5 each. The program executes as shown in the example outputs below. **Design the functions needed** to write this program and write the main code for the program.

- Enter number of items: 20
  - Items: 20
  - Boxes needed: 2
  - Cost: $16

- Enter number of items: 65
  - Items: 65
  - Boxes needed: 7
  - Cost: $53

- Enter number of items: 36
  - Items: 36
  - Boxes needed: 4
  - Cost: $32

- Enter number of items: 102
  - Items: 102
  - Boxes needed: 11
  - Cost: $73
Exercise

From the previous slide.

```
#write the main code below
items_per_box = 10
```

Enter number of items: 102

Items: 102
Boxes needed: 11
Cost: $73
The following program has two errors. What are the errors? Write a correction for each error.

The desired output is shown below the program.

def display_winner_details(winner, score):
    message = "*** " + winner.upper() + " ("
    message = message + score + ") ***"
    print(message)

score = score + 50
display_winner_details("Jo Li", score)
print(score)