Clicker Questions for L05: Functions

For 2017-01-26
Q3: Tracing Function Calls

```python
def sale_price(original_price, discount):
    ''' Calculates and returns the final price when the discount is applied to the original price. '''
    return original_price - original_price * discount / 100

# main program
watch = 400.0
discount = 10
final_price = sale_price(watch, discount)

"""Watch's final price is "$ + str(final_price)
```

When this program is executed in Spyder as a script, what is the output to the console?

A. 360.0
B. Watch's final price is final_price
C. Watch's final price is $ 400.0
D. Watch's final price is $ 360.0
E. None of the above
def sale_price(original_price, discount):
    """ Calculates and returns the final price when the discount is applied to the original price. """
    return original_price - original_price * discount / 100

# main program
watch = 400.0
discount = 10
final_price = sale_price(watch, discount)

print("Watch's final price is $", final_price)

When this program is executed in Spyder as a script, what is the output to the console?

A. 360.0
B. Watch's final price is final_price
C. Watch's final price is $ 400.0
D. Watch's final price is $ 360.0
E. None of the above
Q5: Return values

```
def return_fun(x):
    x = x + 1
    return x + 1
    x *= 2
    return x
    x += 1
```

Assume the code on the left is run in Python. What is the *return value* of the following function call?

```
return_fun(2)
```

A. 4
B. 6
C. 7
D. None
E. None of the above