

Practice Quiz 4 (Ch 7–8)

Name: _____

This work complies with the JMU Honor Code. I have neither given nor received unauthorized Initials: _____ assistance. I will not discuss the quiz contents with anyone who has not taken the quiz.

Question 1 (3 pts)

```
my_dog = "Pongo"
all_dogs = ["Pongo", "Nina", "Duke"]

def feed_dog(dog_to_feed):
    message = "appreciates the meal!"
    print(dog_to_feed, message)

feed_dog(my_dog)
print(len(all_dogs))
```

Determine the namespace (**built-in**, **global**, or **local**) of each item.

Item	Namespace	Item	Namespace	Item	Namespace	Item	Namespace
my_dog	global	message	local	print	built-in	dog_to_feed	local
						feed_dog	global
						len	built-in

Question 2 (4 pts)

For each code snippet, determine: (1) how many times the loop runs; (2) what is printed on the screen.

```
flavors = ["vanilla", "chocolate", "mint", "strawberry", "banana"]

i = 4
while i >= 0:
    print(flavors[i], end=" ")
    i -= 2
print(i)
```

How many times the loop runs: 3

What is printed on the screen: banana mint vanilla

```
i = 0

while i < 20:
    i += 1

    if i % 2 == 0:
        continue
    elif i == 5:
        break
    else:
        print(i, end=" ")
```

How many times the loop runs: 5

What is printed on the screen: 1 3

Question 3 (3 pts)

money.py

```
def get_change(price, paid):
    return paid - price

print("Money", end=" ")

if __name__ == "__main__":
    print(get_change(3, 4), end=" ")
```

restaurant.py

```
import money

BURGER_PRICE = 3

def process_payment(customer, paid):
    change = money.get_change(BURGER_PRICE, paid)
    print(customer, end=" ")
    print(change, end=" ")

process_payment("Ronald", 5)
```

a. What will be printed when `money.py` is run? Money 1

b. What will be printed when `restaurant.py` is run? Money Ronald 2

Question 4 (7 pts)

Implement the following function. Please write clearly and indent your code using four spaces.

```
def count_woofs(noises):  
    """Return the number of times "woof" appears in a list.  
  
    You MUST use a while loop! Use of count() is NOT allowed.  
  
    Example: count_woofs(["woof", "meow", "woof"]) returns 2, because  
    "woof" appears two times in the list.  
  
    Args:  
        noises (list): a list of strings.  
  
    Returns:  
        int: number of times "woof" appeared.  
    """
```

```
    count = 0  
    while count < len(noises):  
        if noises[count] == "woof":  
            count += 1  
    return count
```

Question 5 (8 pts)

Implement the following function. Please write clearly and indent your code using four spaces.

```
def get_numbers(limit):  
    """Get a list of numbers from the user that are less than the limit.  
  
    Repeatedly prompts the user to input numbers (int) into a list until  
    the user enters a number that is greater than or equal to the limit.  
  
    In the following example, get_numbers(5) is called. The user inputs  
    the numbers 1, 3, and 5. The function then returns the list [1, 3].  
  
    >>> get_numbers(5)  
    Enter a number: 1  
    Enter a number: 3  
    Enter a number: 5  
    [1, 3]  
  
    Args:  
        limit (int): The limit for determining when to stop.  
  
    Returns:  
        list: The numbers entered (except for the last one).  
    """
```

```
    numbers = []
```

```
        print("Enter a number: ")
```

```
        numbers.append(value)
```