

**Quiz 7****Name:** \_\_\_\_\_

1. Examine each of the following snippets of code and list the output expected. Write '- **error** -' if you think the code will crash (i.e. raise an error) during execution. Write '- **nothing** -' if you think the code will not produce any output.

Code	Output
<pre># Part 1 students = [('Alwyn', 12), ('Tim', 12)] students[0][0] = 'Bill' print(students)</pre>	
<pre># Part 2 words = [7, 1, 2, 5, 9] print(words[-3:])</pre>	
<pre># Part 3 words = [4, 2] copy = words copy.append(3) print(words) print(copy)</pre>	
<pre># Part 4 def do_something(numbers):     numbers += [4, 5]  numbers = [3] do_something(numbers) print(numbers)</pre>	
<pre># Part 5 numbers = [1, 2] letters = ['a'] numbers.append(letters) print(numbers)</pre>	
<pre># Part 6 point = (1,1) coords = [point, (-1, 3)] point = (5,6) print(coords)</pre>	

2. Complete the program so that it prints the following output. For each number in the list,
- if it is a multiple of three, print "fizz",
  - if it is a multiple of five, print "buzz",
  - if it is a multiple of 3 and 5, print "fizzbuzz".
  - Otherwise, print the number.

```
2
buzz
fizz
11
---
fizzbuzz
13
buzz
fizz
7
buzz
```

```
# complete the code below
```

```
fizzbuzz([2, 5, 9, 11])
print('---')
fizzbuzz([15, 13, 40, 3, 7, 5])
```

3. The function `substitute` accepts two parameters: `words`(type: list of str), and `to_find` (type: str). If any value in `words` list contains `to_find`, it will replace it with 'XXX'. The output of the program is as follows:

```
D:\is111>python q3.py
word found
['apple', 'orange', 'XXX', 'XXX']
---
word not found
['apple', 'orange', 'pear']
---
word not found
[]
```

```
# Do read the next page first
```

```
words = ['apple', 'orange', 'pearl', 'pear']
if substitute(words, 'pear'):
    print('word found')
else:
    print('word not found')
print(words)
print('---')
```

```
words = ['apple', 'orange', 'pear']
if substitute(words, 'durian'):
    print('word found')
else:
    print('word not found')
print(words)
print('---')
```

```
words = []
if substitute(words, 'durian'):
    print('word found')
else:
    print('word not found')
print(words)
```