



Chapter 4

TOTAL POINTS 10

1. Which Python keyword indicates the start of a function definition?

1 point

- ☐ help
- ☐ continue
- ☐ sweet
- ☒ def

2. In Python, how do you indicate the end of the block of code that makes up the function?

1 point

- ☒ You de-indent a line of code to the same indent level as the **def** keyword
- ☐ You put the colon character (:) in the first column of a line
- ☐ You add the matching curly brace that was used to start the function }
- ☐ You add a line that has at least 10 dashes

3. In Python what is the **input()** feature best described as?

1 point

- ☐ A way to retrieve web pages over the network
- ☐ The central processing unit
- ☐ A conditional statement
- ☒ A built-in function

4. What does the following code print out?

1 point

```
1 def thing():  
2     print('Hello')  
3  
4     print('There')
```

- ☐ Hello
- ☒ There
- ☐ thing
- ☐ Hello
- ☐ There
- ☐ def
- ☐ thing

5. In the following Python code, which of the following is an "argument" to a function?

1 point

```
1 x = 'banana'  
2 y = max(x)  
3 z = y * 2
```

- ☒ x
- ☐ max
- ☐ 'banana'
- ☐ y

6. What will the following Python code print out?

1 point

```
1 def func(x) :  
2     print(x)
```

```

3
4 func(10)
5 func(20)

```

- ☒ 10
- ☐ 20
- ☐ x
- ☐ 20
- ☐ func
- ☐ func
- ☐ x
- ☐ 10
- ☐ x
- ☐ 20

7. Which line of the following Python program will never execute?

1 point

```

1 def stuff():
2     print('Hello')
3     return
4     print('World')
5
6 stuff()

```

- ☐ return
- ☐ def stuff():
- ☒ print('World')
- ☐ stuff()
- ☐ print('Hello')

8. What will the following Python program print out?

1 point

```

1 def greet(lang):
2     if lang == 'es':
3         return 'Hola'
4     elif lang == 'fr':
5         return 'Bonjour'
6     else:
7         return 'Hello'
8
9 print(greet('fr'), 'Michael')

```

- ☒ Bonjour Michael
- ☐ def Michael
- ☐ Hello Michael
- ☐ Hola
- ☐ Bonjour
- ☐ Hello

9. What does the following Python code print out? (Note that this is a bit of a trick question and the code has what many would consider to be a flaw/bug - so read carefully).

1 point

```

1 def addtwo(a, b):
2     added = a + b
3     return a
4
5 x = addtwo(2, 7)
6 print(x)

```

- ☐ addtwo
- ☒ 2
- ☐ 7

10. What is the most important benefit of writing your own functions?

1 point

- ☐ Following the rule that whenever a program is more than 10 lines you must use a function
- ☒ Avoiding writing the same non-trivial code more than once in your program
- ☐ Following the rule that no function can have more than 10 statements in it
- ☐ To avoid having more than 10 lines of sequential code without an indent or de-indent

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