

Chapter 4

TOTAL POINTS 10

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

1 point

- ☐ rad
- ☐ return
- ☐ continue
- ☒ def

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

1 point

- ☐ You put the "END" keyword in column 7 of the line which is to be the last line of the function
- ☒ You de-indent a line of code to the same indent level as the **def** keyword
- ☐ You add a line that has at least 10 dashes
- ☐ You put the colon character (:) in the first column of a line

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

1 point

- ☐ The central processing unit
- ☐ A reserved word
- ☐ A user-defined function
- ☒ A built-in function

4. What does the following code print out?

1 point

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

- ☐ thing
- ☒ 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 print(y)
```

- ☐ max
- ☐ print
- ☐ x
- ☒ 'banana'

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)
```

- ☐ def
- x
- func
- func
- ☐ x
- 20

☒ 10

20

☐ x

x

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()
```

☐ print('Hello')

☐ def stuff():

☐ stuff()

☒ print ('World')

☐ return

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)
```

- ☒ 2
- ☐ 14
- ☐ 7
- ☐ Traceback

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

1 point

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



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