

Chapter 4

Question 1

Which Python keyword indicates the start of a function definition?

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

Question 2

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

- ☐ You add a line that has at least 10 dashes
 - ☐ 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 de-indent a line of code to the same indent level as the **def** keyword
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Question 3

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

- ☐ A conditional statement
 - ☐ The central processing unit
 - ☐ A way to retrieve web pages over the network
 - ☒ A built-in function
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Question 4

What does the following code print out?

```
def thing():  
    print('Hello')  
  
print('There')
```

- ☐ def
- ☐ thing
- ☒ There

- ☐ Hello
 - ☐ thing
 - Hello
 - There
-

Question 5

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

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

- ☒ x
 - ☐ max
 - ☐ 'banana'
 - ☐ y
-

Question 6

What will the following Python code print out?

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

func(10)
func(20)
```

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

Question 7

Which line of the following Python program will never execute?

```
def stuff():  
    print('Hello')  
    return  
    print('World')  
  
stuff()
```

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

Question 8

What will the following Python program print out?

```
def greet(lang):  
    if lang == 'es':  
        return 'Hola'  
    elif lang == 'fr':  
        return 'Bonjour'  
    else:  
        return 'Hello'  
  
print(greet('fr'), 'Michael')
```

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

Question 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).

```
def addtwo(a, b):  
    added = a + b  
    return a  
  
x = addtwo(2, 7)  
print(x)
```

- ☐ 7
 - ☐ Traceback
 - ☐ 14
 - ☒ 2
-

Question 10

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

- ☐ Following the rule that whenever a program is more than 10 lines you must use a function
 - ☐ To avoid having more than 10 lines of sequential code without an indent or de-indent
 - ☒ 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
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