

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

☐ break

☐ help

☐ sweet

☒ def

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

☐ You put the colon character (:) in the first column of a line

☐ You add a line that has at least 10 dashes

☒ You de-indent a line of code to the same indent level as the **def** keyword

☐ You add the matching curly brace that was used to start the function }

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

☐ A user-defined function

☐ The central processing unit

☒ A built-in function

☐ A conditional statement

4. What does the following code print out?

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

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

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

```
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 def func(x) :  
2     print(x)  
3  
4 func(10)  
5 func(20)
```

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

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

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

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

8. What will the following Python program print out?

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

☒ 2

☐ addtwo

☐ 14

☐ 7

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

- ☒ 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
- ☐ Following the rule that whenever a program is more than 10 lines you must use a function