

Question 1

In Python, what is a function? 1 / 1 point

A section of code that contains an iterative statement

A section of code that can be reused in a program

A section of code that contains a conditional

A section of code that exists directly in Python

Correct

A Python function is a section of code that can be reused in a program.

Question 2

Which of the following keywords is essential when defining a function? 1 / 1 point

for

while

if

def

Correct

The def keyword is essential when defining a function. It is placed before a function name to define it.

Question 3

You want to define a function that performs a status check. Which of the following is a valid header for the function definition? 1 / 1 point

def status_check

def status_check()

def status_check():

def status_check:

Correct

A valid header for the function definition is def status_check():. Headers should include the def keyword, the name of the function followed by parentheses, and a colon (:).

Question 4

You are responsible for defining a function alert() that prints out the statement "Security issue detected." Which of the following blocks of code represent the correct indentation for defining and then calling the function? 1 / 1 point

```
def alert():
```

```
    print("Security issue detected.")
```

```
    alert()
```

```
    def alert():
```

```
        print("Security issue detected")
```

```
    alert()
```

```
def alert():
```

```
    print("Security issue detected")
```

```
    alert()
```

```
def alert():
```

```
    print("Security issue detected.")
```

```
    alert()
```

Correct

When defining and then calling a function `alert()` that prints out the statement "Security issue detected.", the following block of code demonstrates correct indentation:

```
def alert():  
    print("Security issue detected.")  
alert()
```

The only part that should be indented is the body of the function definition. In this case, the body is the line with the `print()` function.