

## QUIZ 2

1. What is the output of the following code snippet?

```
i = 1
while i < 10 :
    print(i, end = " ")
    i = i + 2
    if i == 5 :
        i = 9
```

2. What will be the output of the following code snippet?

```
token = False
while token :
    print("Hello")
```

3. Consider the following pseudocode. What does it produce?

```
Set a = 0
Set b = 0
Set c = 1
Set d = 1
Report the value of d
Repeat until a equals 10
    Set d = b + c
    Set b = c
    Set c = d
    Add 1 to a
    Report the value of d
```

4. What values does counter variable i assume when this loop executes?

```
for i in range(20, 5, -5) :
    print(i, end = ", ")
```

5. What is the output of the following code snippet?

```
my_list = ["dog", 24, "cat", 12]
count = 0
for element in my_list:
    if element == "cat":
        continue
    count = count + 1
print(count)
```

6. How do you iterate over each characters in the given string ?

```
a = "Hi there!"
```

7. What is the output of the following code snippet?

```
m = 0
for x in range(1,3):
    for y in range(1,3):
        m = m + 1
print (m)
```

8. What will be the range of the random numbers generated by the following code snippet?

```
from random import randint
num = randint(1,50)
```

9. What is the output of the following code snippet?

```
m = 0
x = 1
while x < 4:
    y = 1
    while y < 3:
        m = m + y
        y = y + 1
        if x + y == 4:
            break
    x = x + 1
print (m)
```

10. What is the output of the following code snippet?

```
for i in range(0, 3):
    j = 2
    k = 5
    while j <= 4:
        if i == j:
            k = k + 1
        j = j + 1
print(k)
```

11. What is the output of the code snippet given below?

```
s = "aeiou"
i = 0
while i < 5 :
    print(s[i], s[i + 1], end = " ")
    i = i + 1
    if i >= 3 :
        i = 5
```

12. What is the output of the following code snippet?

```
my_list = [ 2, "dog", 6, 4, "pet", 3, 9, "cat"]
count = 0
for item in my_list:
    m = 0
    if item == "pet" or item == 3:
        m = my_list.index(item)
        count = count + m
print(count)
```

13. What is the output of the following code snippet?

```
i = 1
while False:
    if i % 5 == 0:
        break
    i = i + 2
print(i)
```

14. Which of the following changes will make the following code snippet display "Let us learn Python" exactly 10 times?

```
i = 0
while i <= 10 :
    print("Let us learn Python")
    i = i + 1
```

15. The following while loop should continue to run as long as the user does not enter a negative number. What condition should be used to achieve this behavior?

```
x = int(input("Enter an integer: "))
while _____ :
    x = int(input("Enter an integer: "))
```