

# SOLVED WORKSHEET



## SESSION 7

### Loops in Python – while loop

This worksheet belongs to \_\_\_\_\_

1. Where is the counter variable initialized?

- a) Outside the while loop
- b) Inside the while loop

c) Can be initiated both outside or inside

Answer:     a)    

1 Point

2. For loop is used for:

- a) Iterating over a string
- b) Iterating over a sequence

- c) Iterating over a large number
- d) Iterating over a variable

Answer:     a), b)    

2 Points

3. The counter variable keeps track of how many times the loop is executed.

- a) True

b) False

Answer:     a)    

1 Point

4. Match the following- Match the Usage of the python code with its respective Python code:

Usage	Python code
(i) Will display the string "cat" in blue color on Quarky	a) <code>quarky.showtext("cat", [0, 0, 255])</code>
(ii) Will display the string "cat" in red color on Quarky	b) <code>quarky.setbrightness()</code>
(iii) Will set the brightness of Quarky led display	c) <code>i = i + 1</code>
(iv) Increment the variable i by 1	d) <code>quarky.showtext("cat", [255, 0, 0])</code>

Answer: (i)   a   (ii)   d   (iii)   b   (iv)   c  

4 Points

5. How many times will the following while loop run?

```
i = 1
while i < 9:
    print(i)
    i = i + 2
```

- a) 9
- b) 8

- c) 4
- d) 18

Answer:     c)    

2 Points