

While Loops Quiz

1. Fill in the blank. With the while loop we can execute a set of statements as long as a condition is ____.
A.) False
B.) Positive
C.) Negative
D.) True
2. While loops are used over for loops when ____ ?
A.) An iteration requires a condition check
B.) Termination is unknown
C.) It's more of a preference. Could always swap a for loop for a while loop.
D.) Working with data/variables that are not numbers
3. True/False. With the break statement we can stop the loop even if the while condition is true? To help, look at the example below:

```
i = 1
while i < 6:
    print(i)
    if i == 3:
        break
    i += 1
```

Code Snippet

What is the correct condition for the while loop to get the following behavior?

A = [4, 9 , 36 , -9 , 81]

B = []

i = 0

currElement = A[i]

While #2

B = sqrt(A[i])

#3

#4

B = [2, 3 , 4]

4. What code goes where the #2 place marker is ?
 - A.) currElement > 0
 - B.) currElement < 0
 - C.) currElement != -1
 - D.) currElement == abs(currElement)
5. What code goes where the #3 place marker is ?
 - A.) i = i - 1
 - B.) i = i * 1
 - C.) i = i + 1
 - D.) i = i / 1
6. What code goes where the #3 place marker is ?
 - A.) Nothing
 - B.) break
 - C.) currElement = currElement + 1
 - D.) currElement = A[i]