

Quiz 4

1. Given a string `s = "Programming is fun"`, what is `s.startswith('Pro')`?

- A. 0
- B. 1
- C. True
- D. False
- E. -1

Answer: C

2. Which of the following statements is the precise meaning for the statement `n = '3'`?

- A. `n` is a variable that references an object that holds int value 3.
- B. `n` is a variable that holds int value 3.
- C. `n` is a variable that references an object that holds a string "3".
- D. `n` is a variable that holds string value "3"

Answer: C

3. Suppose that `s1` and `s2` are two strings, given as follows:

`s1 = "Welcome to Python"`

`s2 = "123"`

What are the results of the following expressions?

- a. `s1[1]` _____ Blank#1 _____
- b. `s1[:2]` _____ Blank#2 _____
- c. `s1[1:3])` _____ Blank#3 _____
- d. `len(s2)` _____ Blank#4 _____
- e. `s2*2` _____ Blank#5 _____
- f. `s1.count('e')` _____ Blank#6 _____
- g. `s1.isalpha()` _____ Blank#7 _____
- h. `s1[0]>='A' and s1[0]<='Z'` _____ Blank#8 _____

Answer:

- a. e
- b. We
- c. el
- d. 3
- e. 123123
- f. 2
- g. False
- h. True

4. Analyze the following code.

```
count = 0
while count < 100:
    # Point A
    print("Welcome to Python!")
    count += 1
    # Point B

# Point C
A.    count < 100 is sometimes True at Point C
B.    count < 100 is sometimes True at Point B
C.    count < 100 is sometimes True at Point A
```

Answer: B

5. The following loop displays _____.

```
for i in range(1, 10):
    print(i, end = " ")

A.    2 4 6 8 10
B.    1 2 3 4 5 6 7 8 9
C.    1 2 3 4 5 6 7 8
D.    1 2 3 4 5
E.    1 2 3 4 5 6 7
```

Answer: B

6. What is the output of the following code?

```
count = 1
while count < 2:
    count += 1
    print(count, end = ' ')

A.    1 2 3
B.    2
C.    2 3
D.    1 2
```

Answer: B