

# **FOR LOOP QUESTIONS**

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1. What is the correct syntax for a for loop in Python?
  - a. for i in range(start, stop, step):
  - b. for i in range(stop):
  - c. for i in range(start, stop):
  - d. for i in start to stop:
2. Which statement is used to prematurely exit a for loop?
  - a. break
  - b. continue
  - c. pass
  - d. exit
3. How do you iterate over the elements of a list using a for loop in Python?
  - a. for i in list:
  - b. for i in range(len(list)):
  - c. for i in range(list):
  - d. for i in enumerate(list):
4. What is the output of the following code?

```
for i in range(3):  
    print(i)
```
5. Which of the following is not a valid way to iterate over a string using a for loop?
  - a. for char in string:
  - b. for i in range(len(string)):
  - c. for char in range(string):
  - d. for i, char in enumerate(string):
6. What is the purpose of the range() function in a for loop?
  - a. To define the starting value of the loop.
  - b. To define the ending value of the loop.
  - c. To define the step value for each iteration.
  - d. To generate a sequence of numbers for iteration.
7. What is the output of the following code?

```
for i in range(1, 6, 2):  
    print(i, end=" ")
```

8. How do you skip the rest of the code in the current iteration and move to the next iteration in a for loop?

- a. return
- b. break
- c. pass
- d. continue

9. What is the output of the following code?

```
numbers = [1, 2, 3, 4, 5]
for num in numbers:
    if num % 2 == 0:
        continue
    print(num, end=" ")
```

10. How many times will the following loop execute?

```
for i in range(5, 10, -1):
    print(i)
```

- a. 5
- b. 4
- c. 0
- d. Infinite times

1. a. for i in range(start, stop, step):

2. a. break

3. a. for i in list:

4.     0

      1

      2

5. c. for char in range(string):

6. d. To generate a sequence of numbers for iteration.

7. 1 3 5

8. d. continue

9. 1 3 5

10. d. Infinite times