

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

LOOPS IN PYTHON

A. Tick (✓) the correct option.

1. Which of the following statements skips the current iteration of a loop?

- | | | | |
|----------|--------------------------|-------------|--------------------------|
| a. if | <input type="checkbox"/> | b. for | <input type="checkbox"/> |
| c. break | <input type="checkbox"/> | d. continue | <input type="checkbox"/> |

2. Which of the following statements is used when the number of repetitions is known?

- | | | | |
|------------------------|--------------------------|-----------------------|--------------------------|
| a. for statement | <input type="checkbox"/> | b. while statement | <input type="checkbox"/> |
| c. if...else statement | <input type="checkbox"/> | d. continue statement | <input type="checkbox"/> |

B. Write the output of the following programs:

```
1. total_sum = 0
   num = 1
   while num <= 5:
       total_sum += num
       num += 1
   print("The sum of numbers from 1 to 5 is:", total_sum)
```

```
2. for num in range(1, 10):
    if num % 2 == 0:
        print(num)
```

```
3. i = 0
   while i < 5:
       print(i)
       i += 1
       if i == 3:
           break
   else:
       print(0)
```