



# Test

## Test on For Loops in Python

### Multiple Choice Questions (MCQs):

1. What is the correct syntax for a for loop in Python?
  - a) for(i=0; i<5; i++)
  - b) for i in range(5):
  - c) foreach i in range(5):
  - d) loop i in range(5):
2. What will be the output of the following code?

```
for i in range(3):  
    print(i)
```

- a) 1 2 3
  - b) 0 1 2
  - c) 0 1 2 3
  - d) Error
3. What does the `range(2, 10, 2)` function generate?
    - a) [2, 4, 6, 8]
    - b) [2, 10]
    - c) [2, 4, 6, 8, 10]
    - d) [2, 3, 4, 5, 6, 7, 8, 9]
  4. What is the output of the following code?

```
for i in range(5, 0, -1):  
    print(i, end=' ')
```

- a) 5 4 3 2 1
  - b) 1 2 3 4 5
  - c) 4 3 2 1 0
  - d) Error
5. How can we iterate over a list using a for loop?
- a) for i in list:
  - b) for i in range(len(list)):
  - c) Both a and b
  - d) None of the above
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### Practical Questions:

1. Write a Python program that prints numbers from 1 to 10 using a for loop.
2. Write a Python program that iterates through the list `["apple", "banana", "cherry"]` and prints each item.
3. Write a program to print all even numbers between 1 and 20 using a for loop.
4. Write a program that calculates the sum of all numbers from 1 to 50 using a for loop.