

## Python Fundamentals Course: Session 3.1 Take Home Quiz

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Highlight the correct answer choice for each question

### Questions

1. What does range(5) produce?
  - a. [1, 2, 3, 4, 5]
  - b. [0, 1, 2, 3, 4]
  - c. [0, 1, 2, 3, 4, 5]
  - d. Error
2. How many times will 'for i in range(3, 8):' run?
  - a. 3
  - b. 4
  - c. 5
  - d. 6
3. What does enumerate(['a', 'b', 'c']) provide?
  - a. Just values
  - b. Just indices
  - c. Both index and value pairs
  - d. The length
4. What will 'for i in range(2, 10, 3): print(i)' output?
  - a. 2 5 8
  - b. 2 5 8 11
  - c. 2 3 4 5 6 7 8 9
  - d. 3 6 9
5. What is: total = 0; for i in range(1, 4): total += i; print(total)
  - a. 4
  - b. 6
  - c. 10
  - d. 0
6. How do you iterate with both index and value?
  - a. for i in list
  - b. for i, val in enumerate(list)
  - c. for i, val in list
  - d. for val in enumerate(list)
7. What does git branch do?
  - a. Creates branch
  - b. Lists branches
  - c. Switches branches
  - d. Lists and can create
8. What will: result = []; for i in range(3): result.append(i\*2); produce?
  - a. [0, 2, 4]
  - b. [0, 1, 2]
  - c. [2, 4, 6]
  - d. [0, 2, 4, 6]

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9. How do you switch to branch 'feature'?
  - a. git switch feature
  - b. git checkout feature**
  - c. git branch feature
  - d. Both A and B
10. What are **for loops** used for in ML training?
  - a. Nothing
  - b. Iterate through epochs**
  - c. Format strings
  - d. Define functions