

Python Fundamentals Course: Session 2.2 Take Home Quiz

Highlight the correct answer choice for each question

Questions

1. What does `[x**2 for x in range(5)]` produce?
 - a. **[0, 1, 4, 9, 16]**
 - b. [1, 4, 9, 16, 25]
 - c. [0, 1, 2, 3, 4]
 - d. Error
2. What will `sum([1, 2, 3, 4, 5])` return?
 - a. 12
 - b. **15**
 - c. 20
 - d. Error
3. How do you filter even numbers with comprehension?
 - a. **[x for x in range(11) if x % 2 == 0]**
 - b. [x for x in range(10) if x % 2]
 - c. [even(range(10))]
 - d. `[x**2 for x in range(5)]`
4. What does `[[1,2],[3,4]][1][0]` return?
 - a. 1
 - b. 2
 - c. **3**
 - d. 4
5. Which function returns the largest value?
 - a. `largest()`
 - b. **`max()`**
 - c. `biggest()`
 - d. `top()`
6. What is the purpose of forking a repository?
 - a. Delete repository
 - b. **Create your own copy**
 - c. Merge branches
 - d. Download files
7. What does `sorted([3, 1, 4, 1, 5])` return?
 - a. [3, 1, 4, 1, 5]
 - b. **[1, 1, 3, 4, 5]**
 - c. [5, 4, 3, 1, 1]
 - d. Error
8. How do you get the minimum value?
 - a. **`min(list)`**
 - b. `list.min()`
 - c. `minimum(list)`
 - d. `lowest(list)`

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9. What is a pull request for?
 - a. Downloading code
 - b. Proposing changes**
 - c. Deleting branches
 - d. Creating issues
10. What will `len([[1,2],[3,4],[5,6]])` return?
 - a. 2
 - b. 3**
 - c. 6
 - d. 9