Python Fundamentals Course: Session 5.1 Take Home Quiz

Highlight the correct answer choice for each question

Questions

1. How do you create an empty dictionary?
    a. {}
    b. dict()
    c. dictionary()
    d. Both {} and dict()
2. What does {'name': 'Alice'}['name'] return?
    a. 'Alice'
    b. 'name'
    c. KeyError
    d. None
3. Which method returns all keys?
    a. .keys()
    b. .getkeys()
    c. .allkeys()
    d. .keylist()
4. What does .get('key', default) do?
    a. Gets key or raises error
    b. Gets key or returns default
    c. Sets key to default
    d. Deletes key
5. How do you add a new key-value pair?
    a. dict.add(key, value)
    b. dict[key] = value
    c. dict.insert(key, value)
    d. dict.append(key, value)
6. What does .values() return?
    a. dict_keys object
    b. dict_values object
    c. dict_items object
    d. A new dictionary
7. What happens when accessing a non-existent key using dict[key]?
    a. Returns None
    b. Returns empty string
    c. Raises KeyError
    d. Creates the key
8. What are dictionaries perfect for?
    a. Ordered sequences
    b. Key-value mappings
    c. Mathematical operations
    d. String manipulation

9. What does git tag do?
   a. Labels a commit
   b. Creates branch
   c. Merges branches
   d. Deletes commit
10. What is annotated tag for?
    a. Temporary markers
    b. Important releases with message
    c. Branch names
    d. File labels