**Dictionary MCQS**

### 1. ****What is a dictionary in Python?****

A. A mutable, unordered collection of items.  
B. A mutable, ordered collection of items.  
C. An immutable, unordered collection of items.  
D. An immutable, ordered collection of items.

### 2. ****What will be the output of the following code, which processes an inventory system?****

inventory = {'laptop': 50, 'mouse': 200, 'keyboard': 150}

print(inventory['laptop'])

A. laptop  
B. 50  
C. 200  
D. KeyError

### 3. ****How can a dictionary be used to store API request headers in a web development project?****

headers = {

'Content-Type': 'application/json',

'Authorization': 'Bearer abc123'

}

A. As a tuple  
B. As an array  
C. As key-value pairs  
D. As a JSON object

### 4. ****Which of the following dictionary methods returns all the keys in the dictionary?****

A. items()  
B. keys()  
C. values()  
D. pop()

**5**. **What will be the output of the following code, which accesses a product catalog?**

catalog = {"ProductA": 100, "ProductB": 200}

print(catalog.get("ProductC", "Not Found"))

A. ProductC  
B. None  
C. 100  
D. Not Found

### 6. ****What is the result of this code snippet used in data processing?****

data = {'name': 'Alice', 'role': 'Manager'}

data['department'] = 'HR'

print(data)

A. {'name': 'Alice', 'role': 'Manager'}  
B. {'name': 'Alice', 'role': 'Manager', 'department': 'HR'}  
C. KeyError  
D. 'HR'

### 7. ****How are dictionary elements accessed in Python?****

A. Using an index like lists.  
B. Using a key.  
C. Using both index and key.  
D. Using the get() method only.

### 8. ****Which of the following is the correct way to declare a dictionary?****

A. my\_dict = {}  
B. my\_dict = []  
C. my\_dict = ()  
D. my\_dict = set()

### 9. ****What is the purpose of the**** get() ****method in a dictionary?****

A. To add a new key-value pair.  
B. To update an existing key-value pair.  
C. To retrieve the value for a given key, returning None if the key does not exist.  
D. To remove a key-value pair from the dictionary.

**10**. **What is the result of the following code?**

employee\_data = {"name": "Alice", "dept": "IT"}

employee\_data["salary"] = 70000

print(employee\_data)

A. {"name": "Alice", "dept": "IT"}  
B. {"name": "Alice", "dept": "IT", "salary": 70000}  
C. {"salary": 70000}  
D. KeyError

### 11. ****What will be the output of the following code?****

config = {"debug": True, "version": "1.0"}

print(config.get("theme", "dark"))

A. theme  
B. dark  
C. None  
D. KeyError

### 12. ****Which method is used to remove a key-value pair from a dictionary?****

A. remove()  
B. delete()  
C. pop()  
D. clear()

### 13. ****What will be the output of the following code?****

python

Copy code

project\_info = {"name": "Redesign", "status": "In Progress"}

print(list(project\_info.keys()))

A. ['name', 'status']  
B. ['1', '2']  
C. ['Redesign']  
D. KeyError