

## Quiz 7 – Keyword Arguments

1. Which syntax defines a required keyword argument in a method?

(This was discussed in lecture “Required Keyword Arguments”)

- a. `def method_name(arg:)`
- b. `def method_name(arg = value)`
- c. `def method_name(**arg)`
- d. `def method_name (arg?)`

**Correct Answer:** Option a - `def method_name(arg:)`

**Explanation:**

**Option a** – Good job!

**Option b** – Incorrect answer. Please try again.

**Option c** – Incorrect answer. Please try again.

**Option d** - Incorrect answer. Please try again.

2. Which syntax below defines a method with an optional keyword argument named "color" that defaults to "blue"?

(This was discussed in lecture “Option Keyword Arguments”)

- a. `def display(color?)`
- b. `def display(color: blue)`
- c. `def display(color = "blue")`
- d. `def display(color: "blue")`

**Correct Answer:** Option d – `def display(color: "blue")`

**Explanation:**

**Option a** – Incorrect answer. Please try again.

**Option b** – Incorrect answer. Please try again.

**Option c** – Incorrect answer. Please try again.

**Option d** – Good job!

3. How should positional and keyword arguments be ordered in a method definition?

(This was discussed in lecture “Positional Arguments and Keyword Arguments”)

- a. Keyword arguments first, then positional arguments.
- b. Positional arguments first, then keyword arguments.
- c. The order doesn't matter as long as they are separated by a comma.
- d. They can't be mixed in a single method definition.

**Correct Answer:** Option b – Positional arguments first, then keyword arguments.

**Explanation:**

**Option a** – Incorrect answer. Please try again.

**Option b** – Good job!

**Option c** – Incorrect answer. Please try again.

**Option d** – Incorrect answer. Please try again.

4. Which of the following methods define a positional argument "name" and an optional keyword argument "age" with a default value of 25?

(This was discussed in lecture “Positional Arguments and Keyword Arguments”)

- a. `def register_user(name, age = 25)`

- b. `def register_user(name, age: 25)`
- c. `def register_user(name: , age: 25)`
- d. `def register_user(name, age)`

**Correct Answer:** Option b – `def register_user(name, age:25)`

**Explanation:**

**Option a** – Incorrect answer. Please try again.

**Option b** – Good job!

**Option c** – Incorrect answer. Please try again.

**Option d** – Incorrect answer. Please try again.

5. My program has a `print_details` method defined as:

```
def print_details(name:, age: 30)
```

Which of the following method invocations will raise an error?

(This was discussed in lecture “Positional Arguments and Keyword Arguments”)

- a. `print_details(name: "Alice", age:28)`
- b. `print_details(name: "Bob")`
- c. `print_details(age: 31)`
- d. `print_details(name: "Charlie", age: 32)`

**Correct Answer:** Option c – `print_details(age: 31)`

**Explanation:**

**Option a** – Incorrect answer. Please try again.

**Option b** – Incorrect answer. Please try again.

**Option c** – Good job!

**Option d** – Incorrect answer. Please try again.