

## Quiz 5 – Classes I

1. What is the purpose of a class in Ruby?

(This was discussed in lecture “Intro to Classes”)

- a. To create a blueprint for making objects.
- b. To perform complex mathematical operations.
- c. To store objects in order.
- d. To establish associations between objects.

**Correct Answer:** Option a – To create a blueprint for making objects.

**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 method does Ruby call when you instantiate an object from a class?

(This was discussed in lecture “Instance Variables and the initialize method”)

- a. `setup`
- b. `create`
- c. `start`
- d. `initialize`

**Correct Answer:** Option d - `initialize`

**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. Inside an instance method, which keyword refers to the current instance?

(This was discussed in lecture “The self keyword”)

- a. `current`
- b. `instance`
- c. `this`
- d. `self`

**Correct Answer:** Option d – `self`

**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!

4. If you have an instance variable named `@name`, which of the following options would you use to create a getter method for it (no writer)?

(This was discussed in lecture “The attr\_reader and attr\_writer methods”)

- a. `attr_writer :name`
- b. `attr_reader :name`

c. `attr_accessor :name`

d. `attr_variable :name`

**Correct Answer:** Option b – `attr_reader :name`

**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. Which of the following options defines both a getter and a setter for an instance variable?  
(This was discussed in lecture “The attr\_accessor method”)

a. `attr_reader`

b. `attr_writer`

c. `attr_accessor`

d. `attr_variable`

**Correct Answer:** Option c – `attr_accessor`

**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.

6. Which "type" of method retrieves the value of an instance variable?  
(This was discussed in lecture “Getter Methods (Read Methods)”)

a. Getter

b. Setter

c. Writer

d. Accessor

**Correct Answer:** Option a – Getter

**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.