# Java Module Practice Questions (1–15)

1. Which collection allows duplicate values?

* (a) HashSet
* (b) TreeSet
* (c) HashMap
* (d) ArrayList

2. What does the `continue` statement do?

* (a) Skips the current iteration
* (b) Exits the loop
* (c) Skips the rest of the loop
* (d) Starts a new iteration

3. What is the output of: `int x = 5; if (x < 3) System.out.println("Hi"); else System.out.println("Hello");`

* (a) Hi
* (b) Hello
* (c) Error
* (d) Nothing

4. Which statement is used to catch any type of exception?

* (a) catch (Error e)
* (b) catch (Exception e)
* (c) catch (Throwable t)
* (d) catch (Object o)

5. What is the purpose of the `throw` keyword?

* (a) To declare an exception
* (b) To create a new exception
* (c) To catch an exception
* (d) To ignore an exception

6. What is the correct way to declare an array in Java?

* (a) int numbers[];
* (b) array numbers[];
* (c) int[] numbers;
* (d) Array numbers[];

7. Which collection is based on the concept of key-value pairs?

* (a) Set
* (b) List
* (c) Map
* (d) Queue

8. Which loop is used when the number of iterations is unknown?

* (a) for loop
* (b) while loop
* (c) do-while loop
* (d) foreach loop

9. What is the output of: `System.out.println(10 % 3);`

* (a) 0
* (b) 1
* (c) 2
* (d) 3

10. What is the purpose of the `break` statement in a loop?

* (a) To continue to next iteration
* (b) To terminate the loop
* (c) To pause loop
* (d) To repeat the loop

11. Which statement is used to define a specific case in a switch?

* (a) case
* (b) switch
* (c) default
* (d) option

12. How is a `do-while` loop different from a `while` loop?

* (a) It runs at least once
* (b) It runs only if condition is true
* (c) It never runs if condition is false
* (d) No difference

13. What is the correct syntax to create a Map in Java?

* (a) Map<String> map = new HashMap<>();
* (b) Map<String, Integer> map = new HashMap<>();
* (c) HashMap map = new Map<>();
* (d) Map map = HashMap();

14. What is the purpose of the `throws` keyword?

* (a) To catch exceptions
* (b) To handle exceptions
* (c) To create exceptions
* (d) To declare possible exceptions

15. What is the output of:  
  
int i = 0;  
while (i < 3) {  
 System.out.println(i);  
 i++;  
}

* (a) 0 1 2
* (b) 0 1 2 3
* (c) 1 2 3
* (d) 1 2