

CS508

Final Term (Live Quiz)

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Question 1:

A query given to a PROLOG system:

- cannot contain variables
 - is treated an object
 - does not involve database
 - is a pattern matching exercise
-

Question 2:

What is optional in the following syntax of 'dotimes' loop and is used to hold computational result?

(dotimes (count n result)
body)

- count
 - n
 - body
 - result
-

Question 3:

In LISP programming language, if we want to test that whether "w" is a list or not then which of the following predicate is used?

- isList
- listp

- ifList
 - ?list
-

Question 4:

PROLOG supports the _____ programming paradigm.

- Functional
 - Object Oriented
 - Aspect Oriented
 - **Declarative**
-

Question 5:

To create a two-dimensional array in LISP, _____ index values are used.

- Three
 - Six
 - Four
 - **Two**
-

Question 6:

Which of the following is the only means to solve a problem in PROLOG?

- Atoms
 - Functions
 - **Facts**
 - Symbols
-

Question 7:

Array indexes in LISP can be:

- Floating point numbers
- any discrete type

- Integers
 - Characters
-

Question 8:

The correct syntax of 'setf' function in LISP is:

- (setf (symbol attribute value) object)
 - (setf (object value) attribute)
 - **(setf (object attribute) value)**
 - (setf (get object attribute) value)
-

Question 9:

In Prolog, we specify _____ and do not specify _____.

- Result, Inputs
 - Facts, Problem
 - Result, Outputs
 - **Problem, Solution**
-

Question 10:

Disjunction in Prolog is through _____ and conjunction is through _____.

- **OR, coma (,)**
- OR, Dot(.)
- Coma (,), OR
- Dot(.), OR

1. The resultant value of variable 'x' in JavaScript statement `var x = "5" - "2";` will be _____.

Options:

- A. 3
- B. 5

C. 52

D. "52"

Correct Option: A. 3

2. Arrays in PHP are not like C/C++ arrays but they are _____.

Options:

A. Structures

B. Maps

C. Records

D. Templates

Correct Option: B. Maps

3. C# supports only _____ inheritance and it achieves _____ inheritance through the concept of interfaces.

Options:

A. Multiple, single

B. Multiple, nested

C. Single, multiple

D. Single, nested

Correct Option: A. Multiple, single

4. The methods that allow two threads to cooperate (or synchronize) with each other in a Java program are:

Options:

A. run() and notify()

B. sleep() and yield()

C. wait() and run()

D. wait() and notify()

Correct Option: D. wait() and notify()

5. In JavaScript, which of the given provides access to the contents of the browser window?

Options:

- A. DOM
- B. ROM
- C. BOM

Correct Option: A. DOM

6. Classes and objects of PHP are similar to _____.

Options:

- A. Classes and objects of Java
- B. Classes and objects of C++
- C. Classes and objects of Basic
- D. Classes and objects of C

Correct Option: B. Classes and objects of C++

7. If you want to override a method in C#, then the overridden method must not be declared as:

Options:

- A. Override
- B. Virtual
- C. Static
- D. Abstract

Correct Option: C. Static

8. In C#, the order of operator evaluation is:

Options:

- A. Arbitrary
- B. From left to right
- C. Not specified

D. From right to left

Correct Option: B. From left to right

9. Which of the following code provides access to memory through pointers in C#?

Options:

- A. Managed code
- B. Un-managed code
- C. Static code
- D. Safe code

Correct Option: B. Un-managed code

10. The correct way to declare a class as unsafe in C# is:

Options:

- A. `class unsafe MyClass { ... }`
- B. `class MyClass unsafe { ... }`
- C. `unsafe MyClass { ... }`
- D. `unsafe class MyClass { ... }`

Correct Option: D. `unsafe class MyClass { ... }`

1. In how many ways threads can be created in Java?

Options:

- a) 2
- b) 3
- c) 4
- d) 5

Correct Answer: a) 2

2. If an integer variable is not initialized in PHP then its default value will be:

Options:

- a) False
- b) NULL
- c) Zero
- d) 1

Correct Answer: b) NULL

3. Which of the given operator is used to return a reference from a function in PHP?

Options:

- a) &&
- b) Dot
- c) \$\$

Correct Answer: a) &

4. An _____ in PHP is an ordered map.

Options:

- a) queue
- b) array
- c) string
- d) stack

Correct Answer: b) array

5. A/An _____ is a default mechanism for specifying types of variables.

Options:

- a) Explicit declaration
- b) Implicit declaration
- c) Run-time declaration
- d) Static declaration

Correct Answer: b) Implicit declaration

6. PHP stands for _____ .

Options:

- a) PHP: Hypertext Page
- b) PHP: Home Preprocessor
- c) PHP: Hypertext Preprocessor
- d) PHP: Home Page

Correct Answer: c) PHP: Hypertext Preprocessor

7. In the context of C#, which of the following is not true about delegates?

Options:

- a) Delegates are like C/C++ function pointers
- b) Delegates are event-based
- c) Delegates are reference types
- d) Delegates are value types

Correct Answer: d) Delegates are value types

8. _____ keyword is used in C# to inform the garbage collector not to relocate the object.

Options:

- a) exclude
- b) fixed
- c) pause
- d) stop

Correct Answer: b) fixed

9. What would be returned if the following Java code is executed?

```
``java
try {
    return 0;
} finally {
```

```
    return 2;  
}  
...
```

Options:

- a) Runtime error
- b) Logical error
- c) 0

Correct Answer: c) 0

10. The concept of 'delegates' in C# is used for:

Options:

- a) Event handling
- b) Operator overloading
- c) Inheritance

Correct Answer: a) Event handling

1. Which of the given operator is used to return a reference from a function in PHP?

- Options:

- A) Dot
- B) &
- C) &&
- Correct Option: B) &

2. PHP stands for _____ .

- Options:

- A) PHP: Home Page
- B) PHP: Home Preprocessor
- C) PHP: Hypertext Page
- D) PHP: Hypertext Preprocessor

- Correct Option: D) PHP: Hypertext Preprocessor

3. Which of the following language was created by Microsoft as a part of .Net framework?

- Options:

- A) C#

- B) C++

- C) Prolog

- D) Java

- Correct Option: A) C#

4. Arrays in JavaScript are _____ based.

- Options:

- A) Location

- B) Zero Index

- C) Length

- D) One Index

- Correct Option: B) Zero Index

5. The loop control expression in any loop of C# must be of _____ type.

- Options:

- A) Boolean

- B) Decimal

- C) Float

- D) Integer

- Correct Option: A) Boolean

6. _____ keyword is used in C# to inform the garbage collector not to relocate the object.

- Options:

- A) stop

- B) fixed
- C) pause
- D) exclude
- Correct Option: B) fixed

7. _____ method is used to begin the execution of a thread in Java.

- Options:
 - A) start()
 - B) run()
 - C) runThread()
 - D) startThread()
- Correct Option: A) start()

8. In _____, Strings and numeric values are interconvertible.

- Options:
 - A) C#
 - B) PHP
 - C) Java
 - D) C/C++
- Correct Option: A) C#

9. In the context of C#, a class that is defined in the body of another class is called:

- Options:
 - A) Protected class
 - B) Public class
 - C) Private class
 - D) Nested class
- Correct Option: D) Nested class

10. The methods that allow two threads to cooperate (or synchronize) with each other in a Java program are:

- Options:

- A) run() and notify()

- B) wait() and run()

- C) sleep() and yield()

- D) wait() and notify()

- Correct Option: D) wait() and notify()

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