Quiz Questions

Which operator is used to invert all the digits in binary representation of a number? *

/

2

~

<<<
>>>
^

Add individual feedback

On applying Left shift operator, <<, on an integer bits are lost one they are shifted past which position bit?

/

2

1
32
33
31

Add individual feedback

Which right shift operator preserves the sign of the value?

/

2

<<
>>

<<=
>>=

Add individual feedback

int var1 = 42; int var2 = ~var1; System.out.print(var1 + " " + var2);

/

2

42 42

43 43
42 -43

42 43

Add individual feedback

int a = 3; int b = 6; int c = a | b; int d = a & b; System.out.println(c + " " + d);

/

2

7 2

7 7
7 5
5 2

Add individual feedback

int x; x = 10; x = x >> 1; System.out.println(x);

/

2

10
5

2
20

Add individual feedback

int a = 1; int b = 2; int c = 3; a |= 4; b >>= 1; c <<= 1; a ^= c; System.out.println(a + " " + b + " " + c);

/

2

3 1 6

2 2 3
2 3 4
3 3 6

Add individual feedback

Which index is the last element in an array called nums at?

/

0

nums.length
nums.length - 1

Add individual feedback

Which of the following is an incorrect array declaration?

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2

int [] arr = new int[5].
int arr[] = new int[5].
int arr[] = int [5] new

Add individual feedback

String s1 = "Hey"; String s2 = s1.substring(0,1);String s3 = s2.toLowerCase();

/

2

Hey

he
H
h

Add individual feedback

String str1 = "Emily"; String str2 = "Alex"; System.out.println(str1.charAt(0) > str2.charAt(0));

/

2

true

false
0
1

Add individual feedback

The String method compareTo() returns _____.

/

2

1
-1
true
an integer value

Add individual feedback

The number of edges from the root to the node is called _____ of the tree.

/

2

height
depth

Add individual feedback

Suppose a binary tree is constructed with n nodes, such that each node has exactly either zero or two children. The maximum height of the tree will be?

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2

(n+1)/2
(n-1)/2

n/2 -1
(n+1)/2 -1

Add individual feedback

The maximum number of elements in a heap of height h is

/

2

math.pow(2,h)+1 -1

math.pow(2,h)
math.pow(2,h)+1
math.pow(2,h) -1

Add individual feedback

In which of the following tree, parent node has a key value greater than or equal to the key value of both of its children?

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2

Binary search tree
full binary tree
Complete binary tree
Max-heap

Add individual feedback

A binary search tree is generated by inserting in order the following integers:50, 15, 62, 5, 20, 58, 91, 3, 8, 37, 60, 24 The number of the node in the left sub-tree and right sub-tree of the root, respectively, is

/

2

(4, 7)
(7, 4)

(8, 3)
(3, 8)

Add individual feedback

The data structure required to check whether an expression contains balanced parenthesis is?

/

2

Stack

Queue
Array
Tree

Add individual feedback

The result of evaluating the postfix expression 5, 4, 6, +, *, 4, 9, 3, /, +, * is?

/

2

600

350

650

Add individual feedback

Consider the linked list implementation of a stack. Which of the following node is considered as Top of the stack?

/

2

First node

Last node
Any node
Middle node

Add individual feedback

Consider the following operation performed on a stack of size 5.Push(1);Pop();Push(2);Push(3);Pop();Push(4);Pop();Pop();Push(5); After the completion of all operation, the no of element present on stack are

/

2

1

2
3
4

Add individual feedback

The data structure required for Breadth First Traversal on a graph is?

/

2

Stack
Array
Queue

Tree

Add individual feedback

If the MAX_SIZE is the size of the array used in the implementation of circular queue. How is rear manipulated while inserting an element in the queue?

/

2

rear=(rear%1)+MAX_SIZE
rear=rear%(MAX_SIZE+1)
rear=(rear+1)%MAX_SIZE

rear=rear+(1%MAX_SIZE)

Add individual feedback