Which of the following is the disadvantage of the array?

1 point

Stack and Queue data structures can be implemented through an array.
Index of the first element in an array can be negative
Wastage of memory if the elements inserted in an array are lesser than the allocated size
Elements can be accessed sequentially.

Clear selection

Which one of the following is the size of int arr[9] assuming that int is of 4 bytes?

1 point

9
36
35
None of the above

Clear selection

Which one of the following is not the application of the stack data structure

1 point

String reversal
Recursion
Backtracking
Asynchronous data transfer

Clear selection

Which of the following is the correct way to declare a multidimensional array in Java?

1 point

int[] arr;
int arr[[]];
int[][]arr;
int[[]] arr;

Clear selection

What are the disadvantages of arrays?

1 point

Data structure like queue or stack cannot be implemented
There are chances of wastage of memory space if elements inserted in an array are lesser than the allocated size
Index value of an array can be negative
Elements are sequentially accessed

Clear selection

What is Recursion in Java?

1 point

Recursion is a class
Recursion is a process of defining a method that calls other methods repeatedly
Recursion is a process of defining a method that calls itself repeatedly
Recursion is a process of defining a method that calls other methods which in turn call again this method

Clear selection

Which of these will happen if recursive method does not have a base case?

1 point

An infinite loop occurs
System stops the program after some time
After 1000000 calls it will be automatically stopped
None of the mentioned

Clear selection

What will be the output of following program?

1 point

```
class recursion
{
    int func (int n)
    {
        int result;
        result = func (n - 1);
        return result;
    }
}
class Output
{
    public static void main(String args[])
    {
        recursion obj = new recursion() ;
        System.out.print(obj.func(12));
    }
}
```

0
1
Compilation Error
Runtime Error

Clear selection

What will be the output of following program?

1 point

```
class recursion
{
    int func (int n)
    {
        int result;
        if (n == 1)
            return 1;
        result = func (n - 1);
        return result;
    }
}
class Output
{
    public static void main(String args[])
    {
        recursion obj = new recursion() ;
        System.out.print(obj.func(5));
    }
}
```

0
1
120
None of the mentioned

Clear selection

What will be the output of following program?

1 point

24
30
120
720

Clear selection

Which of these is not an application of a linked list?

1 point

To implement file systems
For separate chaining in hash-tables
To implement non-binary trees
Random Access of elements

Clear selection

What is the time complexity of inserting at the end in dynamic arrays?

1 point

O(1)
O(n)
O(logn)
Either O(1) or O(n)

Clear selection

The elements of a linked list are stored

1 point

In a structure
In an array
Anywhere the computer has space for them
In contiguous memory locations

Clear selection

The operation of processing each element in the list is known as ……

1 point

sorting
merging
inserting
traversal

Clear selection

Which is the pointer associated with the availability list?

1 point

FIRST
AVAIL
TOP
REAR

Clear selection

A linear list in which each node has pointers to point to the predecessor and successors nodes is called as

1 point

singly linked list
B. circular linked list
C. doubly linked list
D. linear linked list

Clear selection

A linear collection of data elements where the linear node is given by means of pointer is called?

1 point

Linked list
Node list
Primitive list
None

Clear selection

In linked list each node contain minimum of two fields. One field is data field to store the data second field is?

1 point

Pointer to character
Pointer to integer
Pointer to node
Node

Clear selection