

## Lab Assignment – 4

Subject: Java Training Lab

Discipline: 3<sup>rd</sup> Semester B. Tech (All)

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### DAY-3 (*BTL: Understanding*)

#### *Laboratory Outcomes:*

- 1) Understanding Java single dimension array.
- 2) Learning about multidimensional array.
- 3) Learning about recursion in Java.

### Assignments:

1. Write a Java Program to search an element in the array using :
  - i) Linear Search
  - ii) Binary Search
2. Write a Java Program to implement:
  - i) Bubble Sort
  - ii) Quick Sort
3. Write a Java Program to perform the following operation in two matrices:
  - i) Addition
  - ii) Multiplication
  - iii) Transpose

#### *Instruction for each program:*

1. Must be done with the concept of class and object.
2. Input must be taken from the user.