**Programming Paradigms Laboratory**

**B.Tech.**



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| Faculty | Engineering & Technology |
| Programme | B. Tech. in Computer Science and Engineering |
| Year/Semester | 2nd Year / 4th Semester |
| Name of the Laboratory | Programming Paradigms Laboratory |
| Laboratory Code | 19CSL217A |

# Laboratory 4

Title of the Laboratory Exercise: Two dimensional arrays

1. Questions
2. Develop a GradeBookTest class with an instance variables **string course name** and **2D array(8\*3) of marks** of several student, each row indicates students three term test marks and each column indicates grades of all students, define a constructor to initialize instance variables and display average marks of each student, lowest grade and highest grade.
3. Develop a java program to read a square matrix and print its upper and lower triangle of a square matrix.
4. Calculations/Computations/Algorithms
5. Presentation of Results
6. Conclusions
7. Limitations of Experiments and Results