

For roll no 1 to 20:

Implement matrix-matrix multiplication problem for 1D and 2D Block Distribution and check the performance of both for large matrices.

For roll no 21 to 40:

Implement parallel (recursive decomposition) to find Minimum/Maximum from a large array using OpenMP.

For roll no 41 to 60:

Implement parallel (recursive decomposition) Quick Sort algorithm using OpenMP.

For roll no 61 to 80:

Implement the 15-puzzle problem using OpenMP (solve using **tree-search** techniques) and show how exploratory decomposition is useful.

For roll no 81 to 100:

Implement parallel LU Factorization using Block Cyclic Distribution in OpenMP.

For roll no 101 to 127 and BT18CSE012:

Implement parallel Sparse Matrix-Matrix multiplication using random block distribution in OpenMP.

