

DISTRIBUTED COMPUTING LAB

1. There are two arrays A and B write a program that has two blocks: one for generating array $C = A+B$ and another array $D = A*B$, such that work in blocks will be done by different threads.
2. Example on using critical Directive
3. Add two arrays A & B each of 1000 to generate an array C using reduction clause
4. Multiply two matrices A & B and find the resultant matrix C
5. Write a program to find the number of processes, number of threads etc (Environment information)
6. Write a program to find the largest element in an array
7. Write a program to find the largest element in an array (usage of locks)
8. Write a program to Multiply a matrix by a vector and get the result of the operation
9. Write a program to print all the letters of the alphabet A- Z using threads.
10. Write a program to show how first private clause works.(Factorial program)
11. Write a program to show how last private clause works. (Sum of powers)
12. Write a program to find prime numbers (split)
13. Write a program for communication among two processes.
14. Write a program to demonstrate collective operations in MPI
15. Write a program to demonstrate time routines in MPI