1. MPI is a specification for the developers and users of message passing libraries, Provide a standard for writing message passing programs, Specifications is available for C/C++ and Fortran

* Memory is scalable with the number of processors
* Each processor can rapidly access its own memory without interference
* can be used on a wider range of problems than OpenMP

1. MPI supports running on separate computers in a cluster by creating a network of nodes connected together in a LAN.
2. - MPI\_LONG , MPI\_DOUBLE, MPI \_FLOAT, MPI\_INT, MPI\_SHORT

1. MPI\_Bcast - Broadcasts a message from the process with rank "root" to all other processes of the communicator
2. MPI\_Send and MPI\_Recv - Performs Sending and Receiving of messages