

PSEUDOCODE

Step 1:

- Divide N integers into P parts. Here, P= Number of processors.
- Each processor is assigned a unique part of the data.

Step 2 (Worker):

- Within the allocated portion of the data, each worker processor determines the maximum prime number.
A function to verify primality for every number in the designated interval is used to accomplish this.

Step 3 (Master):

- The maximum prime numbers that each worker finds are gathered by the master processor.
- Next, out of all the results gathered, it determines the largest prime number.

Sub Steps for Step 3:

1. Every worker gives the master their maximum prime number.
2. To determine the overall maximum, Master compares these maximum prime numbers.