

## Question – Explain Traditional Web Server model. (With Diagram)

### Answer -

- 1) A traditional web server model consist of a thread pool, where each user's request is assigned to a different thread in the pool.
- 2) Each time when a new user's request comes in, it is assigned to a different thread.
- 3) When a thread is not available in the thread pool to process the request, it needs to wait for the next available thread.
- 4) A busy thread executes a particular request and does not return to thread pool until it completes the execution and returns a response.
- 5) This makes the traditional web server model synchronous which means where the requests are handled in sequence.
- 6) This is also called as “blocking” because it halts the new requests until the previous requests are completed.

