**Node.js**

1. Whenever we send the request automatically all the requests stored in the event queue.

2. Queue object maintained by node engine.

3. Event loop mechanism pick the request from event queue object and checks whether it’s blocking or non-blocking operation.

4. If the request is non-blocking event loop mechanism process the request without assigning thread from the thread pool mechanism.

5. Internally node engine will maintain the thread poll mechanism.

6. If the request is the "Blocking IO Request" node engine will assign a thread form the thread pool mechanism.

7. Thread will process request asynchronously and send back response to the event loop mechanism.

8. Event loop mechanism will sends the response back to the client.

**Blocking-Operation:**

If our request fetching the data from the either database or file system then such type of request we can call blocking request or blocking operation.

**Non-Blocking Operation:**

If our request won’t interacts with the database or file system then such type of request we can call non-blocking operation.