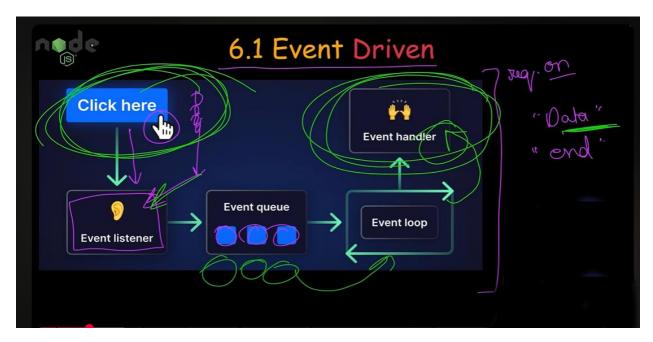
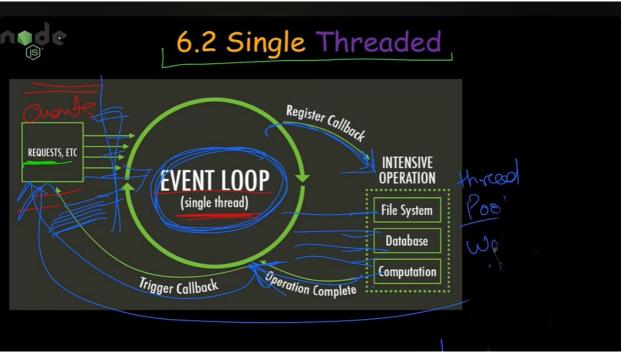
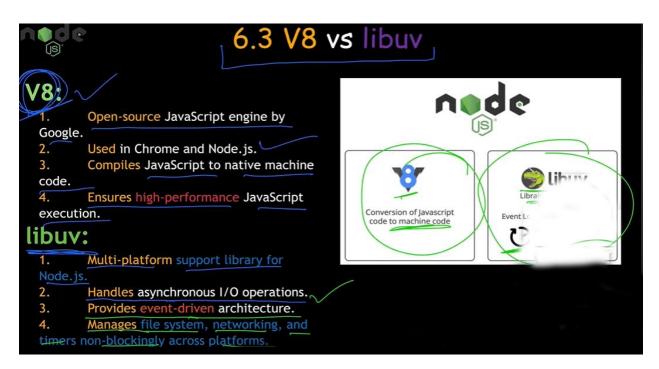
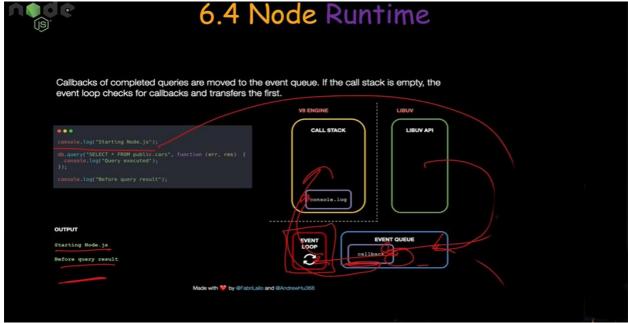
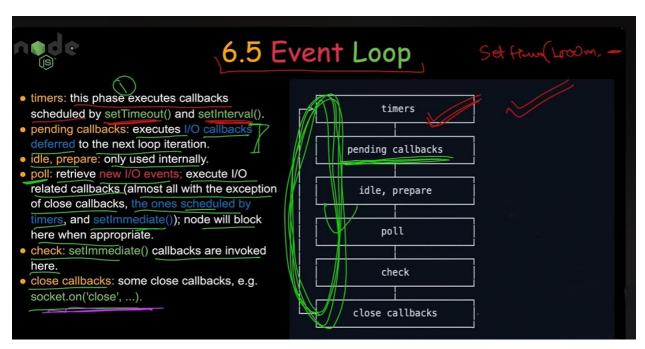
Event Driven and Async Code::

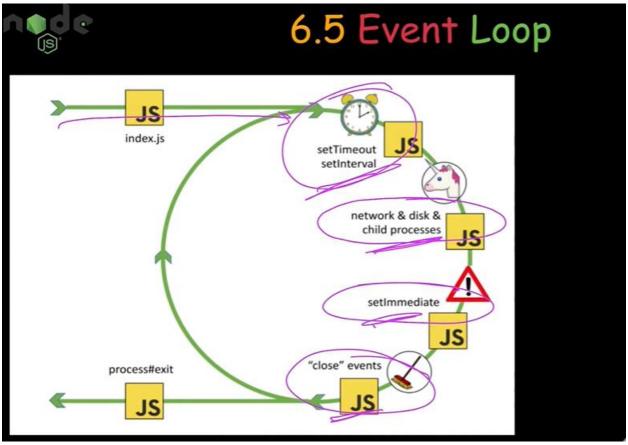














6.6 Async Code

```
const jsonString = JSON.stringify(jsonObject);
       console.log(jsonString);
       fs.writeFileSync("user-details.txt", jsonString);
       res.setHeader("Location", "/");
       res.statusCode = 302;
       res.end();
    });
 res.write('<body><h1>Like / Share / Subscribe</h1></
 body>');
 res.write('</html>');
 return res.end();
Error [ERR_HTTP_HEADERS_SENT]: Cannot set headers after they are sent to the client
   at ServerResponse.setHeader (node:_http_outgoing:699:11)
at IncomingMessage.<anonymous> (/Users/prashantjain/workspace/Test Project/node/app.js:44:11)
   at IncomingMessage.emit (node:events:532:35)
at endReadableNT (node:internal/streams/readable:1696:12)
     process.processTicksAndRejections (node:internal/process/task_queues:82:21) {
 code: 'ERR_HTTP_HEADERS_SENT'
```



6.6 Async Code

```
req.on("end", () => {
  const parsedBody = Buffer.concat(body).toString();
  console.log(parsedBody);
  const params = new URLSearchParams(parsedBody);
  const jsonObject = {};
  for (const [key, value] of params.entries()) {
    jsonObject[key] = value;
  }
  const jsonString = JSON.stringify(jsonObject);
  console.log(jsonString);
  fs.writeFileSync("user-details.txt", jsonString);
  res.setHeader("Location", "/");
  res.statusCode = 302;
  return res.end();
});
```

```
const jsonString = JSON.stringify(jsonObject);
console.log(jsonString);

// BLOCKING EVERTHING Synchronous (blocking) operation
fs.writeFileSync("user-details.txt", jsonStrjng);
res.setHeader("Location", "/");
```

```
console.log(jsonString);
// Async Operation Asynchronous (non-blocking) operation
fs.writeFile("user-details.txt", jsonString, error => {
    res.setHeader("Location", "/");
    res.statusCode = 302;
    return res.end();
});
```