## Practical - 10

GitHub Link: https://github.com/Devsharma511/NodeJs.git

1. Goal: Set up an mTLS server that:

Requires client certificates

Supports certificate reload without restart

2. Tasks: Create mtls-server.js that watches cert files and updates TLS context.

**Project Structure:** 

mtls-server.js:

```
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import crypto from 'crypto';
const certPath = path.join(certDir, 'server.crt');
const keyPath = path.join(certDir, 'server.key');
const keyPath = path.join(certDir, 'server.ke
const caPath = path.join(certDir, 'ca.crt');
function loadOptions() {
  console.log('Server cert size:', fs.statSync(certPath).size);
console.log('Key size:', fs.statSync(keyPath).size);
   console.log('CA cert size:', fs.statSync(caPath).size);
     key: fs.readFileSync(keyPath, 'utf8'),
   cert: fs.readFileSync(certPath, 'utf8'),
ca: fs.readFileSync(caPath, 'utf8'),
requestCert: true,
     rejectUnauthorized: true,
     secureOptions:
 let options = loadOptions();
const server = https.createServer(options, (req, res) => {
    res.writeHead(401, { 'Content-Type': 'text/plain' });
      res.end('Unauthorized client certificate');
     console.log('Unauthorized client tried to connect');
```

## Output:



