

Practical No. 3

Exercise - Create an application to demonstrate Node.js Functions

Implementation:

Program:

```
var http = require('http');
var fs = require('fs');

http.createServer(function(req, res) {
  var c = "";
  var reader1 = fs.createReadStream('./textfile.txt', 'utf8');
  // Specify encoding as 'utf8' when creating the ReadStream.

  // Handle errors with the 'error' event
  reader1.on('error', function(err) {
    // Change 'err' to 'error' and use 'on' directly for error handling
    console.log(err);
    res.statusCode = 500;
    res.end('Internal Server Error');
  });

  // Listen for the 'data' event to read the file content
  reader1.on('data', function(chunk) {
    c += chunk;
  });

  // Listen for the 'end' event to send the response when the file reading is complete
  reader1.on('end', function() {
    res.writeHead(200, { 'Content-Type': 'text/plain' });
    // Use 'writeHead' to set the status code
    res.write(c);
    res.end();
  });

}).listen(8083);
// http://localhost:8083/
```

Output:

```
PS G:\MCA-Web-main\MCA-WEB-MAIN\Practical> node practical3
```

