

Practical No. 2

Exercise - Create an application to demonstrate file operations (Create, write, read,delete).

Implementation:

Program:

```
var fs = require('fs'); // inbuilt module fs(File System)
// fs.writeFile( file, data, options, callback )

fs.writeFile('demo.txt','This is Demmo File.',function(err){
  if(err) {
    throw err;
  }
  console.log('File Created Successfully.');
```

Terminal:

```
PS G:\MCA-Web-main\MCA-Web-main\NodeJsCodeOnFile> node createfile.js
File Created Successfully.
```

```
// fs.readFile( filename, encoding, callback_function )

fs.readFile('demo.txt','utf8',function (err, data) {
  if(err) {
    throw err;
  }
  console.log('Read File!! ');
  console.log(data);
})
```

Terminal:

```
PS G:\MCA-Web-main\MCA-Web-main\NodeJsCodeOnFile> node createfile.js
Read File!!
This is Demmo File.
PS G:\MCA-Web-main\MCA-Web-main\NodeJsCodeOnFile>
```

```
// fs.appendFile( path, data[, options], callback )

fs.appendFile('demo.txt',' This Data is Appended to File',
function(err){
  if(err) {
    throw err;
  }
  console.log('Appened Data to the File!!');
})
```

Terminal:

```
PS G:\MCA-Web-main\MCA-Web-main\NodeJsCodeOnFile> node createfile.js
Appened Data to the File!!
```

```
fs.readFile('demo.txt','utf8',function (err, data) {
  if(err) {
    throw err;
  }
  console.log('Read File!! ');
  console.log(data);
})
```

Terminal:

```
PS G:\MCA-Web-main\MCA-Web-main\NodeJsCodeOnFile> node createfile.js
Read File!!
This is Demmo File. This Data is Appended to File
```

```
// fs.open( filename, flags, mode, callback )
```

```
fs.open('demo.txt', 'w+', function (err, data) {  
  if (err) {  
    return console.error(err);  
  }  
  console.log(data);  
  console.log("File opened!!");  
})
```

Terminal:

```
PS G:\MCA-Web-main\MCA-Web-main\NodeJsCodeOnFile> node createfile.js  
3  
File opened!!
```

```
// fs.rename( oldPath, newPath, callback )
```

```
fs.rename('demo.txt','newname.txt',function(err){  
  if(err){  
    throw err;  
  }  
  console.log('File Renamed!!!!');  
})
```

Terminal:

```
PS G:\MCA-Web-main\MCA-Web-main\NodeJsCodeOnFile> node createfile.js  
File Renamed!!!!
```

```
// fs.unlink(path, callback)
```

```
fs.unlink('newname.txt',function(err){  
  if(err){  
    throw err;  
  }  
  console.log('File Deleted!!!');  
})
```

Terminal:

```
PS G:\MCA-Web-main\MCA-Web-main\NodeJsCodeOnFile> node createfile.js  
File Deleted!!!
```

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