

Exploring File Stream

Writing file Asynchronous

```
const fs=require("fs");
var data=`
igate solutions
Near Manasa Theatre
Kavali
`;
console.log("Before creating file")
fs.writeFile("igate1",data,function(err){
    if(err)
        console.log("Problem in creating file");
    else
        console.log("File created");
})
console.log("after creating file");
```

Output

Before creating file

after creating file

File created

Writing file synchronous

```
const fs=require("fs");
var data=`
igate solutions
Near Manasa Theatre
Kavali
`;
console.log("Before creating file")
fs.writeFileSync("igate2",data);
console.log("after creating file");
```

Output

Before creating file

after creating file

Appending data to the file Async

```
const fs=require("fs");
var data=`
Cloud99 Labs
Pullareddy Nagar
Kavali
`;
fs.appendFile("igate1",data,function(err){
    console.log("File appended");
})
```

Appending data to the file Sync

```
const fs=require("fs");
var data=`
MindGenic Technologies
MG Road
Hyd-bad
`;
fs.appendFileSync("igate1",data);
```

Deleting a file

```
const fs=require("fs");
fs.unlink("igate1",function(err){
    if(err)
        console.log("No such file existed");
})
```

```
        else
            console.log("File deleted");
    })
```

Deleting a file sync

```
const fs=require("fs");
fs.unlinkSync("igate2");
```

Creating empty file

```
const fs=require("fs");
fs.open("igate1","w",function(err){
    if(err)
        console.log("problem in creating file");
    else
        console.log("File created");
})
```

Renaming a file

```
const fs=require("fs");
fs.renameSync("igate1","solutions");
```

Copying a file

```
const fs=require("fs");
fs.copyFileSync("solutions","cloud99");
```

Exploring OS

```
const os=require("os");
console.log(os.cpus());
console.log(os.totalmem());
console.log(os.freemem());
console.log(os.hostname());
console.log(os.platform());
```

Output

4177539072

2058448896

igate-pc

win32

Exploring URL

Use to extract different parts of URL

```
const url=require("url");
var str="localhost:3000/manip?fir=45&sec=30";
q=url.parse(str,true);
console.log(q.host);    //3000
console.log(q.path);    // /manip?fir=45&sec=30
console.log(q.pathname); // /manip
console.log(q.query);   // { fir: '45', sec: '30' }
console.log(q.query.fir); // 45
console.log(q.query.sec); // 30
```

Exploring path

```
const path=require("path");  
var  
fname="D://Wallpapers//SAMANTHA//2010031205AZQW2D.jpg";  
console.log(path.basename(fname));  
console.log(path.extname(fname));  
console.log(path.dirname(fname));
```