



Practical 6

Q Write a program to create a Node's console and webapp.

1. Create a Node.js Project

Then run npm init in normal terminal

npm init -y

This will initialize a package.json file

Output

Wrote to C:\ndjs\package.json;

```
{
  "name": "ndjs",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "description": ""
}
```



2. Write the Node.js Console Application

```
// app.js
```

```
console.log("Welcome to my Node.js  
console app!");
```

3. Run the Application

Execute the script using Node.js:

```
c:\ndjs> console.log("Welcome to  
my Node.js console app!");
```

'console.log' is not recognized as an
internal or external command,

operable program or batch file.

```
c:\ndjs> copy con first.js
```

```
console.log("Welcome to my Node.js  
console app!");
```

^ Z

1 file copied.

```
c:\ndjs> node first.js
```

```
Welcome to my Node.js console app!
```




Second.js

```
console.log("Welcome to my Node.js  
console app!");  
process.stdout.write("Enter your name");  
process.stdin.on("data", (data) => {  
    const name = data.toString().trim();  
    console.log("Hello, ${name}!");  
    process.exit();  
});
```

Run a Node.js web application

1. Create a Project Folder

```
mkdir my-node-app  
cd my-node-app
```

2. Initialize a Node.js Project

```
npm init -y
```

3. Create a JavaScript File for the Server

```
touch server.js (for macOS)  
echo > server.js (for Windows)
```



4. Write the Node.js HTTP Server Code

```
var http = require("http");  
var server = http.createServer(function  
  (req, res) {  
    res.writeHead(200, { "Content-Type":  
      "text/plain" });  
    res.write("Hello, this is a simple  
      Node.js web server!");  
    res.end();  
  });  
server.listen(3000, function() {  
  console.log("Server is running  
    at http://localhost:3000");  
});
```

5. Run the Server

node server.js

6. Open in Browser

Go to <http://localhost:3000/> in browser

You see:

Hello, this is a simple Node.js web
server!