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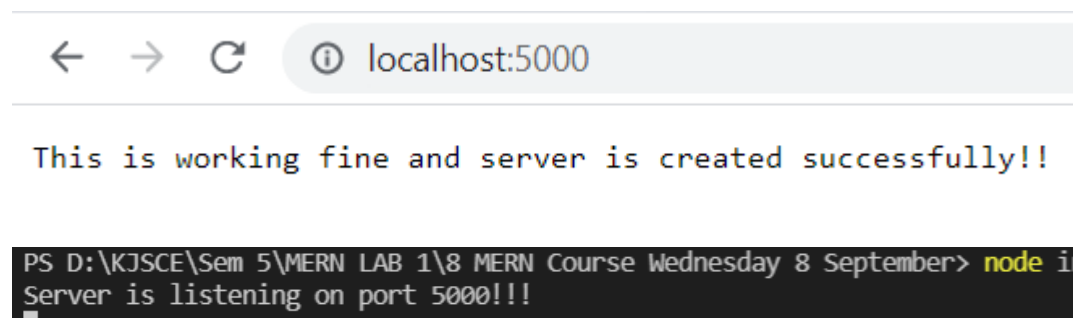
1) Basic Routing :

Q) Build First server application using http module

Code :

```
const http=require("http");//required module to build server
//server created
const server=http.createServer((req,res)=>{
    res.end("This is working fine and server is created successfully!!");
})
//server listening on port 5000
server.listen(5000,()=>{
    console.log("Server is listening on port 5000!!!");
})
```

Output :



Q) Basic routing: Demonstrate it using simple HTML/Json file.

Code :

```
const http=require("http");//required module to build server
const fs=require('fs')
//server created and routing inserted
const server=http.createServer((req,res)=>{
    if(req.url=='/')
    {
        fs.readFile('base.html',(err,data)=>{
            res.write(data);
        });
    }
})
```

```

        res.end();
    })
}
else if(req.url=='/home')
{
    fs.readFile('home.html',(err,data)=>{
        res.write(data);
        res.end();
    })
}
else if(req.url=='/about')
{
    fs.readFile('about.html',(err,data)=>{
        res.write(data);
        res.end();
    })
}
else if(req.url=='/contact')
{
    fs.readFile('contact.json',(err,data)=>{
        res.write(data);
        res.end();
    })
}
else
{
    fs.readFile('error.html',(err,data)=>{
        res.write(data);
        res.end();
    })
}
})
//server listening on port 5000
server.listen(5000,()=>{
    console.log("Server is listening on port 5000!!!");
})

```

Base.html :

```

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        p{
            padding: 50px 50px 70px 70px;
        }
    </style>

```

```
        color: green;
        background-color: black;
        font-size: 100px;
    }
</style>
</head>
<body>
    <p>This is the base page of my website. Having color as green.</p>
</body>
</html>
```

Code of home.html, about.html, contact.html and error.html is same as base.html only some text is changed.

Output :

```
PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN Course Wednesday 8 September> node index2.js
Server is listening on port 5000!!!
```

localhost:5000

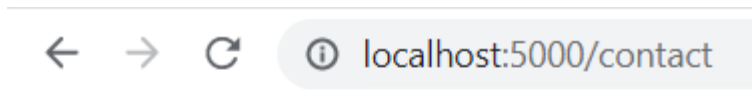
This is the base page of my
website. Having color as green.

localhost:5000/home

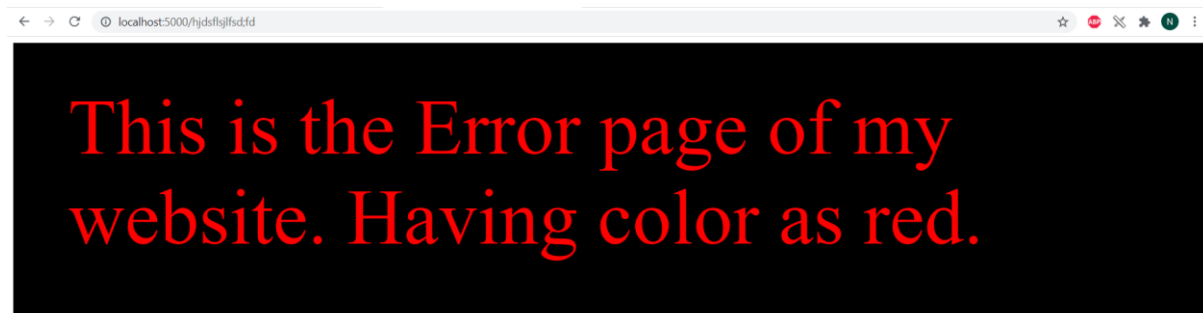
This is the home page of my
website. Having color as yellow.

localhost:5000/about

This is the about page of my
website. Having color as brown.



```
{  
  "name": "nayan",  
  "year": "Third",  
  "Subject": "Mern"  
}
```



Q) Demonstrate the callback in node.js.

Code :

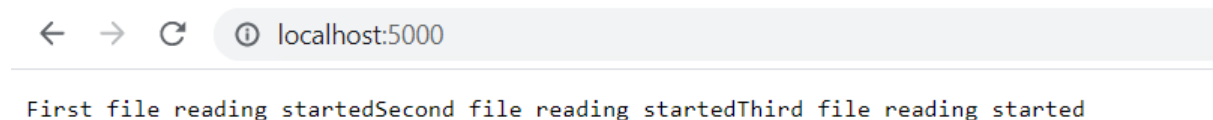
```
const http=require('http');  
const fs=require('fs');  
const server=http.createServer((req,res)=>{  
  res.write("First file reading started");  
  fs.readFile('first.txt',(data,err)=>{  
    if(err)  
    {  
      console.log("There is some error generated!!")  
    }  
    else  
    {  
      res.write(data.toString());  
      res.write("First file reading done!!!");  
    }  
  })  
  res.write("Second file reading started");  
  fs.readFile('second.txt',(data,err)=>{  
    if(err)  
    {  
      console.log("There is some error generated!!")  
    }  
  })  
})
```

```

        else
        {
            res.write(data.toString());
            res.write("Second file reading done!!!");
        }
    })
    res.write("Third file reading started");
    fs.readFile('third.txt',(data,err)=>{
        if(err)
        {
            console.log("There is some error generated!!")
        }
        else
        {
            res.write(data.toString());
            res.write("Third file reading done!!!");
        }
    })
    res.end();
})
server.listen(5000,()=>{
    console.log("Server listening on port 5000!!!");
})

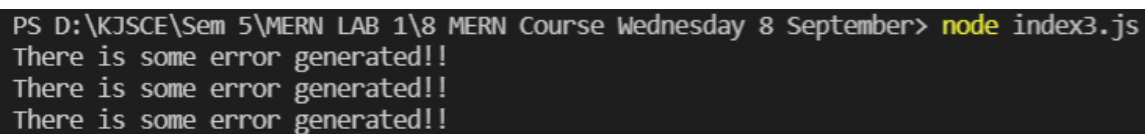
```

Output :



← → ↻ ⓘ localhost:5000

First file reading startedSecond file reading startedThird file reading started



```

PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN Course Wednesday 8 September> node index3.js
There is some error generated!!
There is some error generated!!
There is some error generated!!

```

As there are no files like first.txt, second.txt and third.txt error will be generated and returned by callback function.

2) Event Emitter

Q) Demonstrate the use of Event Emitter for ATM Application. (Step-wise all events Occurs at ATM Machine like withdraw amount, checking balance etc...).

Code :

```
const prompt=require('prompt-sync')();
var n=0;
const eventobj=require('events');
const e = require('express');
var emitter=new eventobj.EventEmitter();
var accounts=[["Nayan Mandliya", 11110, "0934", 35000, 9967890289],["Jane Doe"
, 11111, "1289", 37000, 9784845289],["John Doe", 11112, "7512", 39000, 7812456
887],["Scar Dean", 11113, "5614", 49000, 6357524897],["Robert Wilkist", 11114,
"4500", 45000, 8879754125]]
emitter.on('get_details',(acc_no)=>{
    var i;
    var flag=0;
    for(i=0;i<accounts.length;i++)
    {
        if(accounts[i][1]==acc_no)
        {
            flag=1;
            var pass=prompt("\t\t\t\t\tPlease enter PIN : ");
            console.log("-----");
            if(pass==accounts[i][2])
            {
                console.log(`\t\t\t\t\tAccount Number : ${accounts[i][1]}`);
                console.log(`\t\t\t\t\tName : ${accounts[i][0]}`);
                console.log(`\t\t\t\t\tAccount Balance : ${accounts[i][3]}`);
                console.log(`\t\t\t\t\tPhone Number : ${accounts[i][4]}`);
                console.log("-----");
            }
            break;
        }
        else
        {
            console.log("\t\t\t\t\tEntered PIN is wrong please try again!!");
            console.log("-----");
            break;
        }
    }
    if(flag==0)
    {
```

```

        console.log("\t\t\t\t\tAccount not found!!!");
        console.log("-----");
    }
    emitter.emit('clicker');
})
emitter.on('withdraw',(acc_no)=>{
    var i;
    var flag=0;
    for(i=0;i<accounts.length;i++)
    {
        if(accounts[i][1]==acc_no)
        {
            flag=1;
            var pass=prompt("\t\t\t\t\tPlease enter PIN : ");
            console.log("-----");

            if(pass==accounts[i][2])
            {
                console.log(`\t\t\t\t\tAvailable Clear Balance : ${accounts[i]
[3]}`);
                console.log("-----");

                var amount=prompt("\t\t\t\t\tPlease enter amount to withdraw :
");
                console.log("-----");

                if(amount<=0)
                {
                    console.log("\t\t\t\t\tAmount must be greater than or equa
l to 0!!");
                    console.log("-----");

                }
                else if(amount>accounts[i][3])
                {
                    console.log("\t\t\t\t\tAmount entered must be less than av
ailable clear balance!!");
                    console.log("-----");

                }
                else
                {
                    accounts[i][3]=accounts[i][3]-amount;
                    console.log("\t\t\t\t\tPlease collect your cash from botto
m!!");

```

```

        console.log("-----");
    );
        }
        break;
    }
    else
    {
        console.log("\t\t\t\t\tEntered PIN is wrong please try again!!");
    );
        console.log("-----");
        break;
    }
}
}
if(flag==0)
{
    console.log("\t\t\t\t\tAccount not found!!!");
    console.log("-----");
}
emitter.emit('clicker');
})
emitter.on('pin_change',(acc_no)=>{
    var i;
    var flag=0;
    for(i=0;i<accounts.length;i++)
    {
        if(accounts[i][1]==acc_no)
        {
            flag=1;
            var pass=prompt("\t\t\t\t\tPlease enter old PIN : ");
            console.log("-----");
            if(pass==accounts[i][2])
            {
                console.log(`\t\t\t\t\tAccount Number : ${accounts[i][1]}`);
                console.log(`\t\t\t\t\tName : ${accounts[i][0]}`);
                console.log(`\t\t\t\t\tAccount Balance : ${accounts[i][3]}`);
                console.log(`\t\t\t\t\tPhone Number : ${accounts[i][4]}`);
                console.log("-----");
                var pass1=prompt("\t\t\t\t\tPlease enter new PIN : ");
                console.log("-----");
                var pass2=prompt("\t\t\t\t\tConfirm PIN : ");
            }
        }
    }
}

```



```

        console.log("-----");
    });

    if(pass1==pass2)
    {
        accounts[i][2]=pass2;
        console.log("\t\t\t\t\tPIN changed successfully");
        console.log("-----");
    });

    }
    else
    {
        console.log("\t\t\t\t\tYou have entered different password
please try again!!!");
        console.log("-----");
    });

    }
    break;
}
else
{
    console.log("\t\t\t\t\tEntered PIN is wrong please try again!!");
    console.log("-----");
    break;
}
}
}
if(flag==0)
{
    console.log("\t\t\t\t\tAccount not found!!!");
    console.log("-----");
}
emitter.emit('clicker');
})
emitter.on('exit',()=>{
    console.log("\t\t\t\t\tThank you for visiting!!!");
    console.log("-----");
});
})
emitter.on('invalid',()=>{
    console.log("\t\t\t\t\tInvalid input");
    console.log("-----");
    emitter.emit('clicker');
}

```

```

}))
emitter.on('shower',()=>{
    console.clear();
    console.log("-----");
    console.log("-----MERN BANK-----");
    console.log("-----");
    console.log("-----");
});
}))
emitter.on('clicker',()=>{
    var int=prompt("\t\t\t\t\tPress enter to continue : ");
})
while(n!=4)
{
    console.clear();
    console.log("-----");
    console.log("-----MERN BANK-----");
    console.log("-----");
    console.log("-----");
    console.log("\t\t\t\t\t1. Get Details of your account.\n\t\t\t\t\t2. Withdraw money.\n\t\t\t\t\t3. Change PIN\n\t\t\t\t\t4. Exit");
    console.log("-----");
    console.log("-----");
    n=prompt("\t\t\t\t\tEnter you choice : ");
    if(n==1)
    {
        emitter.emit('shower');
        var acc_no=prompt("\t\t\t\t\tPlease enter account number : ");
        console.log("-----");
        emitter.emit('get_details', acc_no);
    }
    else if(n==2)
    {
        emitter.emit('shower');
        var acc_no=prompt("\t\t\t\t\tPlease enter account number : ");
        console.log("-----");
        emitter.emit('withdraw', acc_no);
    }
    else if(n==3)
    {
        emitter.emit('shower');
        var acc_no=prompt("\t\t\t\t\tPlease enter account number : ");
    }
}

```

```

        console.log("-----");
    }
    emitter.emit('pin_change', acc_no);
}
else if(n==4)
{
    emitter.emit('shower');
    emitter.emit('exit');
}
else
{
    emitter.emit('shower');
    emitter.emit('invalid');
}
}
}

```

Output :

```

-----
-----MERN BANK-----
-----
1. Get Details of your account.
2. Withdraw money.
3. Change PIN
4. Exit
-----
Enter you choice : █

```

```

-----
-----MERN BANK-----
-----
Please enter account number : 11110
-----
Please enter PIN : 1234
-----
Entered PIN is wrong please try again!!
-----
Press enter to continue : █

```

```

-----
-----MERN BANK-----
-----
Please enter account number : 111234
-----
Account not found!!!
-----
Press enter to continue : █

```

```

-----
-----MERN BANK-----
-----
Please enter account number : 11110
-----
Please enter PIN : 0934
-----
Account Number : 11110
Name : Nayan Mandliya
Account Balance : 35000
Phone Number : 9967890289
-----
Press enter to continue : █

```

```
-----MERN BANK-----
Please enter account number : 11110
Please enter PIN : 1234
Entered PIN is wrong please try again!!
Press enter to continue : █
```

```
-----MERN BANK-----
Please enter account number : 11110
Please enter PIN : 0934
Available Clear Balance : 35000
Please enter amount to withdraw : -100
Amount must be greater than or equal to 0!!
Press enter to continue : █
```

```
-----MERN BANK-----
Please enter account number : 11110
Please enter PIN : 0934
Available Clear Balance : 35000
Please enter amount to withdraw : 1000
Please collect your cash from bottom!!
Press enter to continue : █
```

```
-----MERN BANK-----
Please enter account number : 11110
Please enter PIN : 0934
Account Number : 11110
Name : Nayan Mandliya
Account Balance : 34000
Phone Number : 9967890289
Press enter to continue : █
```

```
-----MERN BANK-----
Please enter account number : 11110
Please enter old PIN : 0934
Account Number : 11110
Name : Nayan Mandliya
Account Balance : 34000
Phone Number : 9967890289
Please enter new PIN : 1124
Confirm PIN : 1234
You have entered different password please try again!!!
Press enter to continue : █
```

```
-----MERN BANK-----
Please enter account number : 11110
Please enter old PIN : 0934
Account Number : 11110
Name : Nayan Mandliya
Account Balance : 34000
Phone Number : 9967890289
Please enter new PIN : 1234
Confirm PIN : 1234
PIN changed successfully
Press enter to continue : █
```

```
-----MERN BANK-----
Please enter account number : 11110
Please enter PIN : 1234
Account Number : 11110
Name : Nayan Mandliya
Account Balance : 34000
Phone Number : 9967890289
Press enter to continue : █
```

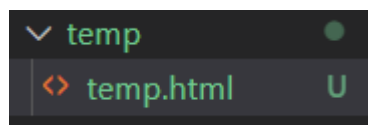
```
-----MERN BANK-----
Thank you for visiting!!!
```

3) File operation

Q) Check Permissions of a File or Directory.

Code :

```
const fs=require('fs');
const prompt=require('prompt-sync')();
var file=prompt("Enter name of the file/folder : ");
var flag=0;
fs.access(file, fs.constants.X_OK, (err)=>{
    if(err)
    {
        console.log(`${file} doesnt exists!!!`);
        flag=1;
    }
    else
    {
        console.log(`${file} can be executed!!!`);
    }
});
fs.access(file, fs.constants.R_OK, (err)=>{
    if(!err)
    {
        console.log(`${file} can be Readed!!!`);
    }
});
fs.access(file, fs.constants.W_OK, (err)=>{
    if(!err)
    {
        console.log(`${file} can be edited!!!`);
    }
});
```



Directory structure :

Output :

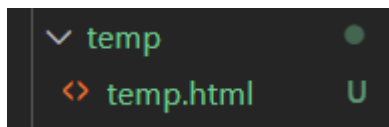
```
PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN Course Wednesday 8 September> node index5.js
Enter name of the file/folder : temp/temp.html
temp/temp.html can be executed!!!
temp/temp.html can be Readed!!!
temp/temp.html can be edited!!!
PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN Course Wednesday 8 September> node index5.js
Enter name of the file/folder : temp
temp can be Readed!!!
temp can be executed!!!
temp can be edited!!!
PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN Course Wednesday 8 September> node index5.js
Enter name of the file/folder : nonexisting
nonexisting doesnt exists!!!
```

Q) Checking if a file or a directory exists.

Code :

```
const fs=require('fs');
const prompt=require('prompt-sync')();
var file=prompt("Enter name of the file/folder : ");
fs.access(file,(err)=>{
    if(err)
    {
        console.log(`${file} doesn't exists!!!`);
    }
    else {
        console.log(`${file} exists!!!`);
    }
});
```

Directory Structure :



Output :

```
PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN Course Wednesday 8 September> node index6.js
Enter name of the file/folder : temp/home.html
temp/home.html doesn't exists!!!
PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN Course Wednesday 8 September> node index6.js
Enter name of the file/folder : temp/temp.html
temp/temp.html exists!!!
```

Q) Determining the line count of a text file.

Code :

```
const fs=require('fs');
fs.readFile('text.txt',(err,data)=>{
    const d=data.toString().split('\n');
    console.log(`Number of lines in the text.txt is : ${d.length}`);
});
```

text.txt :

```
8 MERN Course Wednesday 8 September > t
1 This is the first line.
2 This is the second line.
3 This is the third line.
4 This is the fourth line.
5 This is the fifth line.
```

Output :

```
PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN Course Wednesday 8 September> node index7.js
Number of lines in the text.txt is : 5
```

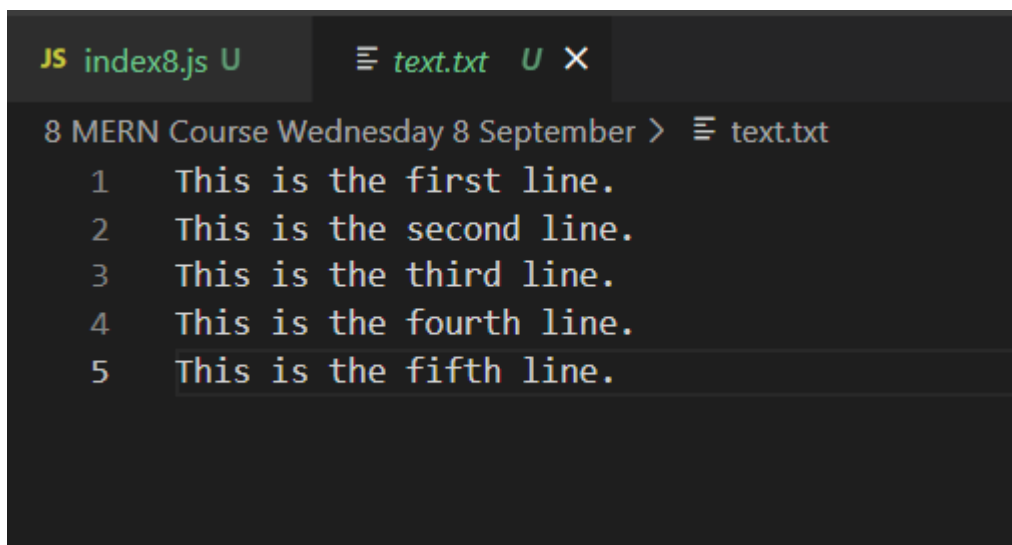
Q) Reading a file line by line.

Method 1: Using readline

Code :

```
const fs=require('fs')
const readline=require('readline')
const readInterface = readline.createInterface({
  input: fs.createReadStream('text.txt'),
  output: process.stdout
});
readInterface.on('\n', function(line) {
  console.log(line);
});
```

Text.txt:

A screenshot of a code editor window. The top bar shows two tabs: 'JS index8.js' and 'text.txt'. The 'text.txt' tab is active. The editor content shows a terminal prompt '8 MERN Course Wednesday 8 September >' followed by a list of five lines of text, each preceded by a line number from 1 to 5. The text is: '1 This is the first line.', '2 This is the second line.', '3 This is the third line.', '4 This is the fourth line.', and '5 This is the fifth line.'.

```
JS index8.js  text.txt
8 MERN Course Wednesday 8 September >
1  This is the first line.
2  This is the second line.
3  This is the third line.
4  This is the fourth line.
5  This is the fifth line.
```

Output :

```
This is the first line.
This is the second line.
This is the third line.
This is the fourth line.
This is the fifth line.
```


Method 2 : Using linereader

Code :

```
const line=require('line-reader')
line.eachLine('text.txt',(line)=>{
  console.log(line);
})
```

Output :

```
PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN COURSE
This is the first line.
This is the second line.
This is the third line.
This is the fourth line.
This is the fifth line.
PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN COURSE
```

Q) See the file content through browser.

Code :

```
const fs=require('fs');
const http=require('http');
const prompt=require('prompt-sync')();
file=prompt("Please enter the name of the file (filename.extention): ");
const server=http.createServer((req,res)=>{
  fs.access(file,(err)=>{
    if(err)
    {
      res.end("File Doesnt exists please re run the server!!!");
    }
    else
    {
      const stream=fs.createReadStream(file);
      stream.pipe(res);
    }
  });
});
server.listen(5000,(req,res)=>{
  console.log("Server listening on port 5000!!");
})
```

Index.js :

```
index9.js U JS index.js X
MERN Course Wednesday 8 September > JS index.js > ...
1 const http=require("http");//required module to build server
2 //server created
3 const server=http.createServer((req,res)=>{
4   res.end("This is working fine and server is created successfully!!");
5 })
6 //server listening on port 5000
7 server.listen(5000,()=>{
8   console.log("Server is listening on port 5000!!!");
9 })
10
```

Output :

Browser :

```
← → ↻ ⓘ localhost:5000

const http=require("http");//required module to build server
//server created
const server=http.createServer((req,res)=>{
  res.end("This is working fine and server is created successfully!!");
})
//server listening on port 5000
server.listen(5000,()=>{
  console.log("Server is listening on port 5000!!!");
})
```

Console :

```
PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN Course Wednesday 8 September> node index9.js
Please enter the name of the file (filename.extention): index.js
Server listening on port 5000!!
```

If file doesn't exists : Browser

```
← → ↻ ⓘ localhost:5000

File Doesnt exists please re run the server!!!
```

Console :

```
PS D:\KJSCE\Sem 5\MERN LAB 1\8 MERN Course Wednesday 8 September> node index9.js
Please enter the name of the file (filename.extention): index.txt
Server listening on port 5000!!
```

4) Building your custom modules

Q) To demonstrate this use some mathematics function to create custom module.

HTML code :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <form action="http://localhost:5000/example" method="POST">
    Enter Expression: <input type="text" name="expr"><br>
    <button type="submit">Calculate</button>
  </form>
</body>
</html>
```

Code :

```
const express=require('express');
const bodyParser=require('body-parser');
const app=express();
const add=require('./add');
const sub=require('./sub');
const mul=require('./mul');
const div=require('./div');
const sinval=require('./sin');
const cosval=require('./cos');
const tanval=require('./tan');
app.use(bodyParser.urlencoded({ extended: true }));

app.post('/example', (req, res) => {
  if(req.body.expr[1]=='+')
  {
    var temp=add(Number(req.body.expr[0]),Number(req.body.expr[2]));
    res.send(`Answer : ${temp}`);
  }
  else if(req.body.expr[1]=='-')
  {
    var temp=sub(Number(req.body.expr[0]),Number(req.body.expr[2]));
    res.send(`Answer : ${temp}`);
  }
  else if(req.body.expr[1]=='*')
  {

```

```

        var temp=mul(Number(req.body.expr[0]),Number(req.body.expr[2]));
        res.send(`Answer : ${temp}`);
    }
    else if(req.body.expr[1]=='/')
    {
        var temp=div(Number(req.body.expr[0]),Number(req.body.expr[2]));
        res.send(`Answer : ${temp}`);
    }
    else if(req.body.expr.slice(0,3)=='sin')
    {
        var temp=sinval(Number(req.body.expr.slice(3,5)));
        res.send(`Answer : ${temp}`);
    }
    else if(req.body.expr.slice(0,3)=='cos')
    {
        var temp=cosval(Number(req.body.expr.slice(3,5)));
        res.send(`Answer : ${temp}`);
    }
    else if(req.body.expr.slice(0,3)=='tan')
    {
        var temp=tanval(Number(req.body.expr.slice(3,5)));
        res.send(`Answer : ${temp}`);
    }
    else
    {
        res.send("Answer : Undefined");
    }
});

app.listen(5000, () => {
    console.log(`Server running on 5000!!`);
});

```

Modules Created :

```
const add=(a,b)=>{
  return a+b;
}
module.exports=add

const sub=(a,b)=>{
  return a-b;
}
module.exports=sub

const mul=(a,b)=>{
  return a*b;
}
module.exports=mul

const div=(a,b)=>{
  return a/b;
}
module.exports=div

const sin=(a)=>{
  a=a*Math.PI/180;
  return Math.sin(a);
}
module.exports=sin

const cos=(a)=>{
  a=a*Math.PI/180;
  return Math.cos(a);
}
module.exports=cos

const tan=(a)=>{
  a=a*Math.PI/180;
  return Math.tan(a);
}
module.exports=tan
```

Output :

File | D:/KJSCE/Sem70205/...

← → ↺ ⓘ localhost:5000/

Enter Expression:

Calculate

Answer : 14

File | D:/KJSCE/Sem70205/...

← → ↺ ⓘ localhost:5000/

Enter Expression:

Calculate

Answer : 7

File | D:/KJSCE/Sem%205/M...

← → ↺ ⓘ localhost:5000/exa...

Enter Expression:

Calculate

Answer : 0.49999999999999994

localhost:5000/e...

Enter Expression:

Calculate

Answer : 0.9999999999999999

5) Command Line operations using Nodejs

Q) Make use of Readline and Inquirer.

Readline :

Code :

```
const readline=require('readline');
const fs=require('fs');
const readline2=readline.createInterface({
  input: process.stdin,
  output: process.stdout,
});
readline2.question('First Name : ',fname=>{
  readline2.question('Last Name : ',lname=>{
    readline2.question('Roll No. : ',roll=>{
      readline2.question('Class : ',css=>{
        readline2.question('Phone No. : ',phno=>{
          console.log("-----");
          console.log("|\\t\\tID CARD\\t\\t\\t\\t|");
          console.log("-----");
          console.log(`|\\tName : ${fname} ${lname}\\t\\t\\t|`);
          console.log("-----");
          console.log(`|\\tRoll No. : ${roll}\\t\\t\\t|`);
          console.log("-----");
          console.log(`|\\tClass : ${css}\\t\\t\\t|`);
          console.log("-----");
          console.log(`|\\tPhone No. : ${phno}\\t\\t\\t|`);
          console.log("-----");
          readline2.close();
        })
      })
    })
  })
})
```

Output :

```
First Name : Nayan
Last Name : Mandliya
Roll No. : 1911027
Class : Third Year
Phone No. : 1234567890
-----
|              ID CARD              |
-----
|      Name : Nayan Mandliya      |
-----
|      Roll No. : 1911027          |
-----
|      Class : Third Year          |
-----
|      Phone No. : 1234567890      |
-----
```

Inquirer :

Code :

```
const inquirer=require('inquirer')
var questions=[
  {
    type: 'text',
    name: 'fname',
    message: "First name : "
  },
  {
    type: 'text',
    name: 'lname',
    message: "Last name : "
  },
  {
    type: 'password',
    name: 'pass',
    message: 'Enter password : ',
  },
  {
    type: 'text',
    name: 'course',
    message: 'Course Name : ',
    default: 'MERN'
  },
  {
    type: 'list',
    name: 'first',
    message: 'Option 1 : ',
    choices: ['MERN Stack', 'MEAN Stack', 'Django', 'Flutter', 'PHP', 'WordPress'],
  },
  {
    type: 'checkbox',
    name: 'second',
    message: 'Option 2 : ',
    choices: ['MERN Stack', 'MEAN Stack', 'Django', 'Flutter', 'PHP', 'WordPress'],
  },
]
inquirer.prompt(questions).then(answers=>{
  console.log("-----");
  console.log("Students Info : ");
  console.log("-----");
  console.log("-----");
});
```

```

        console.log(`Hello ${answers['fname']} ${answers['lname']} you have been s
uccessfully logged in!!!`);
        console.log("-----");
        console.log(`${answers['fname']} is currently learning ${answers['course']
}`);
        console.log("-----");
        console.log("-----");
        console.log(`First choice ${answers['first']}`);
        console.log("-----");
        console.log("-----");
        console.log(`Second choice ${answers['second']}`);
        console.log("-----");
        console.log("-----");
    })
}

```

Output :

```

? First name : Nayan
? Last name : Mandliya
? Enter password : [hidden]
? Course Name : MERN
? Option 1 : Django
? Option 2 : Flutter

```

Students Info :

Hello Nayan Mandliya you have been successfully logged in!!!

Nayan is currently learning MERN

First choice Django

Second choice Flutter