

Aim:-**a. Setup Node Js project on Stdu Information System.****Final Outcome:**

```
npm init npm
```

```
keywords:
author: Sanjay Chavada
license: (ISC)
About to write to E:\Nodjs\package.json:

{
  "name": "nodjs",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Sanjay Chavada",
  "license": "ISC"
}
```

```
install -g nodemon
```

```
PS E:\Nodjs> npm install -g nodemon

added 32 packages, and audited 33 packages in 1m

3 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

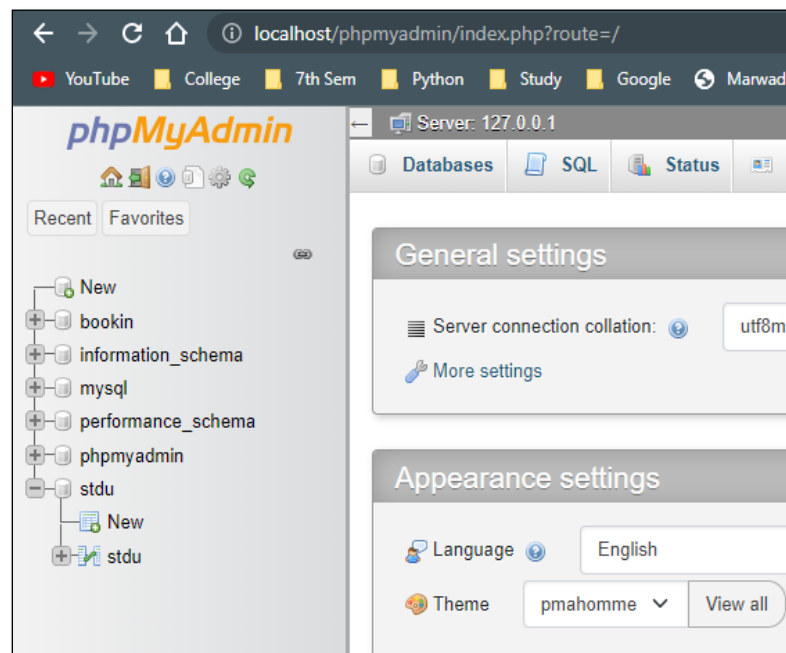
```
npm install express mysql body-parser --save
```

```
PS E:\Nodjs> npm install express mysql body-parser --save

added 12 packages, and audited 70 packages in 24s

7 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

b. Setup the database in Node Js for Stdu Information System.**Final Outcome:**

c. Implement Select Operation to fetch details of stdus from Stdu Information System.

```
const bp = require('body-parser');
const mysql = require('mysql');
const express = require('express');
var app = express();

app.use(bp.json());

var sqlcon = mysql.createConnection({
  host:'localhost',
  user:'root',
  password:'',
  database:'nodetest',
  multipleStatements:true
});

sqlcon.connect((err)=>{
  if(!err)
  {
    console.log('Success');
  }
  else
  {
    console.log('Failed: '+JSON.stringify(err, undefined, 2));
  }
})

app.get('/node',(req,res)=>{

  res.send('Welcome to Node Js Learning...');
});

app.listen(5500,()=>console.log('Server started at PORT 5500'));

// Get Stdu Details from the Database (READ)
app.get('/stdu,(req,res)=>{
  sqlcon.query('select * from Stdu ',(err, rows, fields)=>{
    if(!err)
    {
```

```
        res.send({data : rows});  
    }  
    else  
    {  
        console.log(err);  
    }  
    });  
});
```

Final Outcome: