

# Lab 4&5

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B12

## Q1

### Output Snippets



**Express**

Welcome to Express

**Enter the ID**

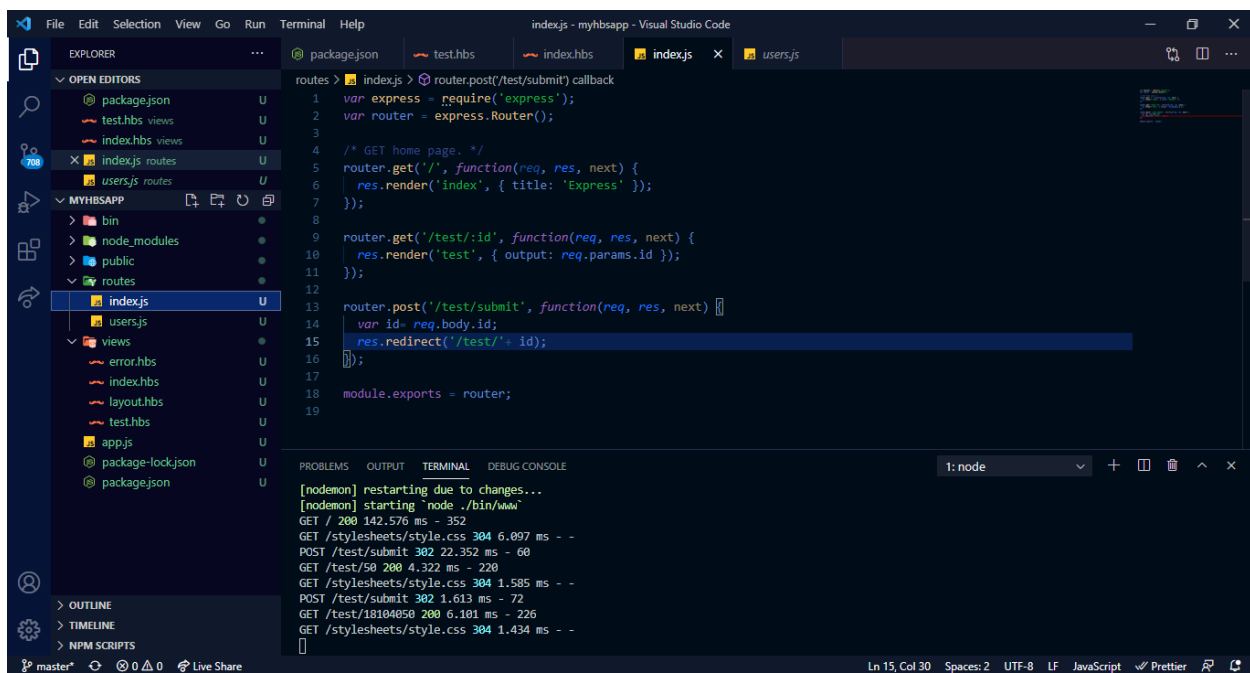


**You have accessed this page by GET request**

ID: 18104050

## Code Snippets

### a. Routes/Index.js



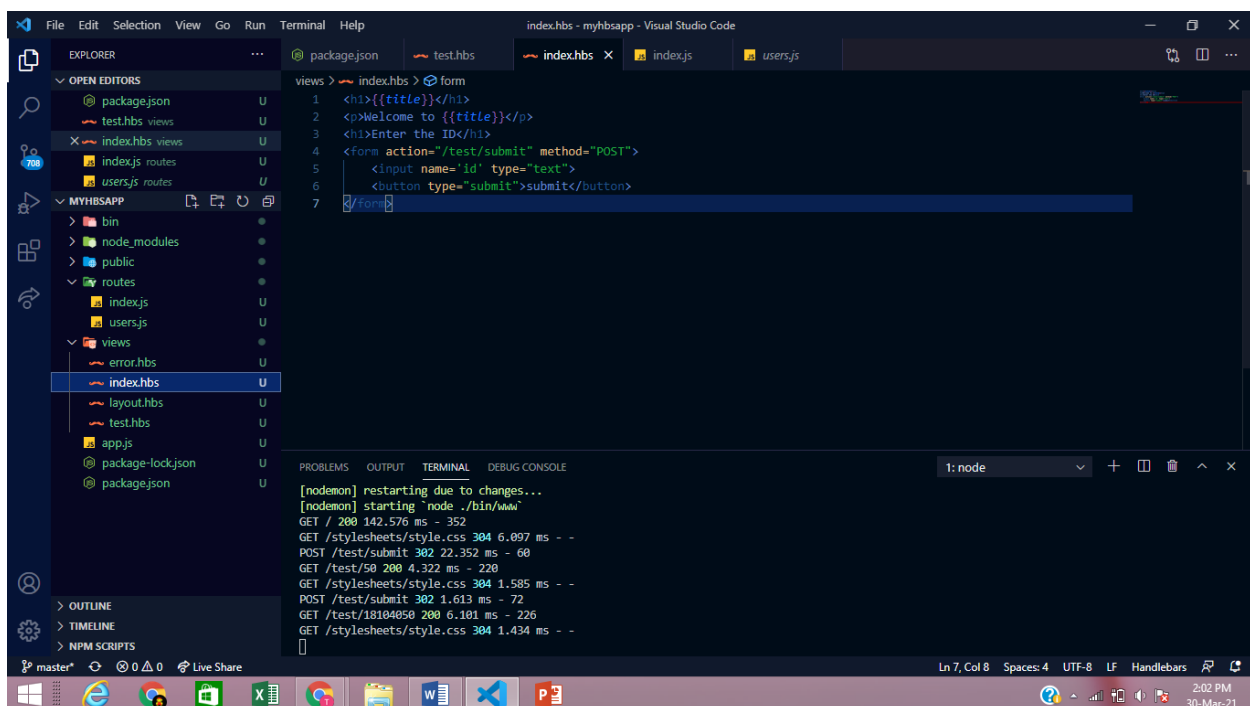
```
File Edit Selection View Go Run Terminal Help
index.js - myhbsapp - Visual Studio Code

EXPLORER
  OPEN EDITORS
    package.json U
    test.hbs views U
    index.hbs views U
    index.js routes U
    users.js routes U
  MYHBSAPP
    bin
    node_modules
    public
    routes
      index.js U
      users.js U
    views
      error.hbs U
      index.hbs U
      layout.hbs U
      test.hbs U
    app.js U
    package-lock.json U
    package.json U

routes > index.js > router.post('/test/submit') callback
1 var express = require('express');
2 var router = express.Router();
3
4 /* GET home page. */
5 router.get('/', function(req, res, next) {
6   res.render('index', { title: 'Express' });
7 });
8
9 router.get('/test/:id', function(req, res, next) {
10   res.render('test', { output: req.params.id });
11 });
12
13 router.post('/test/submit', function(req, res, next) {
14   var id = req.body.id;
15   res.redirect('/test/' + id);
16 });
17
18 module.exports = router;
19

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: node
[monodemon] restarting due to changes...
[monodemon] starting "node ./.bin/www"
GET / 200 142.576 ms - 352
GET /stylesheets/style.css 304 6.097 ms - -
POST /test/submit 302 22.352 ms - 60
GET /test/50 200 4.322 ms - 220
GET /stylesheets/style.css 304 1.585 ms - -
POST /test/submit 302 1.613 ms - 72
GET /test/18104050 200 6.101 ms - 226
GET /stylesheets/style.css 304 1.434 ms - -
[]
```

### b. Views/index.hbs



```
File Edit Selection View Go Run Terminal Help
index.hbs - myhbsapp - Visual Studio Code

EXPLORER
  OPEN EDITORS
    package.json U
    test.hbs views U
    index.hbs views U
    index.js routes U
    users.js routes U
  MYHBSAPP
    bin
    node_modules
    public
    routes
      index.js U
      users.js U
    views
      error.hbs U
      index.hbs U
      layout.hbs U
      test.hbs U
    app.js U
    package-lock.json U
    package.json U

views > index.hbs > form
1 <h1>{{title}}</h1>
2 <p>Welcome to {{title}}</p>
3 <h1>Enter the ID</h1>
4 <form action="/test/submit" method="POST">
5   <input name="id" type="text">
6   <button type="submit">submit</button>
7 </form>

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: node
[monodemon] restarting due to changes...
[monodemon] starting "node ./.bin/www"
GET / 200 142.576 ms - 352
GET /stylesheets/style.css 304 6.097 ms - -
POST /test/submit 302 22.352 ms - 60
GET /test/50 200 4.322 ms - 220
GET /stylesheets/style.css 304 1.585 ms - -
POST /test/submit 302 1.613 ms - 72
GET /test/18104050 200 6.101 ms - 226
GET /stylesheets/style.css 304 1.434 ms - -
[]
```

### c. Views/test.hbs

```
views > test.hbs > p
1 <h1>You have accessed this page by GET request</h1>
2 <p>ID: {{output}}</p>
```

```
[nodeemon] restarting due to changes...
[nodeemon] starting "node ./bin/www"
GET / 200 142.576 ms - 352
GET /stylesheets/style.css 304 6.097 ms - -
POST /test/submit 302 22.352 ms - 60
GET /test/50 200 4.322 ms - 220
GET /stylesheets/style.css 304 1.585 ms - -
POST /test/submit 302 1.613 ms - 72
GET /test/18104050 200 6.101 ms - 226
GET /stylesheets/style.css 304 1.434 ms - -
```

### d. App.js

```
app.js > ...
1 var createError = require('http-errors');
2 var express = require('express');
3 var path = require('path');
4 var cookieParser = require('cookie-parser');
5 var logger = require('morgan');
6
7 var indexRouter = require('./routes/index');
8 var usersRouter = require('./routes/users');
9
10 var app = express();
11
12 // view engine setup
13 app.set('views', path.join(__dirname, 'views'));
14 app.set('view engine', 'hbs');
15
16 app.use(logger('dev'));
17 app.use(express.json());
18 app.use(express.urlencoded({ extended: false }));
19 app.use(cookieParser());
20 app.use(express.static(path.join(__dirname, 'public')));
21
22 app.use('/', indexRouter);
23 app.use('/users', usersRouter);
24
25 // catch 404 and forward to error handler
26 app.use(function(req, res, next) {
27   next(createError(404));
28 });
```

```
GET /test/18104050 200 6.101 ms - 226
GET /stylesheets/style.css 304 1.434 ms - -
```