Installing express framework for node js

D:\>express --view=pug myapp

create : myapp

create : myapp/package.json

create : myapp/app.js

create : myapp/public

create : myapp/routes

create : myapp/routes/index.js

create : myapp/routes/users.js

create : myapp/views

create : myapp/views/index.pug

create : myapp/views/layout.pug

create : myapp/views/error.pug

create : myapp/bin

create : myapp/bin/www

create : myapp/public/images

create : myapp/public/javascripts

create : myapp/public/stylesheets

create : myapp/public/stylesheets/style.css

install dependencies:

> cd myapp && npm install

run the app:

> SET DEBUG=myapp:\* & npm start

D:\>cd myapp && npm install

serve-favicon@2.3.2 node\_modules\serve-favicon

├── ms@0.7.2

├── parseurl@1.3.1

├── etag@1.7.0

└── fresh@0.3.0

debug@2.6.2 node\_modules\debug

└── ms@0.7.2

cookie-parser@1.4.3 node\_modules\cookie-parser

├── cookie-signature@1.0.6

└── cookie@0.3.1

morgan@1.7.0 node\_modules\morgan

├── on-headers@1.0.1

├── basic-auth@1.0.4

├── depd@1.1.0

├── on-finished@2.3.0 (ee-first@1.1.1)

└── debug@2.2.0 (ms@0.7.1)

body-parser@1.16.1 node\_modules\body-parser

├── content-type@1.0.2

├── bytes@2.4.0

├── depd@1.1.0

├── qs@6.2.1

├── on-finished@2.3.0 (ee-first@1.1.1)

├── raw-body@2.2.0 (unpipe@1.0.0)

├── http-errors@1.5.1 (inherits@2.0.3, setprototypeof@1.0.2, statuses@1.3.1)

├── debug@2.6.1 (ms@0.7.2)

├── iconv-lite@0.4.15

└── type-is@1.6.14 (media-typer@0.3.0, mime-types@2.1.14)

express@4.14.1 node\_modules\express

├── escape-html@1.0.3

├── array-flatten@1.1.1

├── cookie-signature@1.0.6

├── utils-merge@1.0.0

├── encodeurl@1.0.1

├── methods@1.1.2

├── content-type@1.0.2

├── merge-descriptors@1.0.1

├── etag@1.7.0

├── parseurl@1.3.1

├── fresh@0.3.0

├── path-to-regexp@0.1.7

├── cookie@0.3.1

├── range-parser@1.2.0

├── vary@1.1.0

├── content-disposition@0.5.2

├── serve-static@1.11.2

├── depd@1.1.0

├── qs@6.2.0

├── on-finished@2.3.0 (ee-first@1.1.1)

├── finalhandler@0.5.1 (unpipe@1.0.0, statuses@1.3.1)

├── debug@2.2.0 (ms@0.7.1)

├── proxy-addr@1.1.3 (forwarded@0.1.0, ipaddr.js@1.2.0)

├── type-is@1.6.14 (media-typer@0.3.0, mime-types@2.1.14)

├── send@0.14.2 (ms@0.7.2, destroy@1.0.4, statuses@1.3.1, mime@1.3.4, http-errors@1.5.1)

└── accepts@1.3.3 (negotiator@0.6.1, mime-types@2.1.14)

pug@2.0.0-beta11 node\_modules\pug

├── pug-runtime@2.0.3

├── pug-strip-comments@1.0.2 (pug-error@1.3.2)

├── pug-load@2.0.5 (object-assign@4.1.1, pug-walk@1.1.1)

├── pug-linker@2.0.2 (pug-error@1.3.2, pug-walk@1.1.1)

├── pug-parser@2.0.2 (pug-error@1.3.2, token-stream@0.0.1)

├── pug-code-gen@1.1.1 (pug-error@1.3.2, pug-attrs@2.0.2, js-stringify@1.0.2, void-elements@2.0.1, doctypes@1.1.0, constantinople@3.1.0, with@5.1.1)

├── pug-lexer@3.0.0 (pug-error@1.3.2, is-expression@3.0.0, character-parser@2.2.0)

└── pug-filters@2.1.1 (pug-error@1.3.2, pug-walk@1.1.1, constantinople@3.1.0, resolve@1.3.2, jstransformer@1.0.0, clean-css@3.4.25, uglify-js@2.8.12)

D:\myapp>ls

'ls' is not recognized as an internal or external command,

operable program or batch file.

D:\myapp>SET DEBUG=myapp:\* & npm start

> myapp@0.0.0 start D:\myapp

> node ./bin/www

myapp:server Listening on port 3000 +0ms

GET / 200 1950.006 ms - 170

GET /stylesheets/style.css 200 16.999 ms - 111

GET /favicon.ico 404 89.931 ms - 895

^CTerminate batch job (Y/N)? y

D:\myapp>

**MySQL**

**Module**: [mysql](https://github.com/felixge/node-mysql/) **Installation**

$ npm install mysql

**Example**

var mysql = require('mysql')

var connection = mysql.createConnection({

host : 'localhost',

user : 'dbuser',

password : 's3kreee7',

database : 'my\_db'

});

connection.connect()

connection.query('SELECT 1 + 1 AS solution', function (err, rows, fields) {

if (err) throw err

console.log('The solution is: ', rows[0].solution)

})

connection.end()

Link for attaching databases: <https://expressjs.com/en/guide/database-integration.html#mysql>

<https://codeforgeek.com/2015/05/expressjs-router-tutorial/>

<https://github.com/mysqljs/mysql#server-disconnects>

Validation for models

<https://www.npmjs.com/package/express-mysql-session>