

Enterprise Application Development Lab 1

Part 1.

Check what version node and npm are on my laptop/

```
Jonathan-2:lab1 Jonathan$ npm -v
3.10.10
```

```
Jonathan-2:lab1 Jonathan$ node -v
v6.9.4
```

Part 2.

NPM running, its listening on port 3000.

```
Jonathan-2:lab1 Jonathan$ node index.js
Example app listening on port 3000!
```

When I visit my localhost, a “hello world” message is displayed.

Part 3.

My postgres is working, it is accepting connections.

```
Jonathan-2:Labs Jonathan$ pg_isready
/tmp:5432 - accepting connections
```

Part 4

The results are from the following commands in postgres.

Command: \d

```
pgguide=# \d
List of relations
Schema | Name | Type | Owner
-----+-----+-----+-----
public | products | table | Jonathan
public | products_id_seq | sequence | Jonathan
public | purchase_items | table | Jonathan
public | purchase_items_id_seq | sequence | Jonathan
public | purchases | table | Jonathan
public | purchases_id_seq | sequence | Jonathan
public | users | table | Jonathan
public | users_id_seq | sequence | Jonathan
(8 rows)
```

Command \d products

```
pgguide=# \d products
Table "public.products"
Column | Type | Modifiers
-----+-----+-----
id | integer | not null default nextval('products_id_seq'::regc
lass)
title | character varying(255) |
price | numeric |
created_at | timestamp with time zone |
deleted_at | timestamp with time zone |
tags | character varying(255)[] |
Indexes:
    "products_pkey" PRIMARY KEY, btree (id)
Referenced by:
    TABLE "purchase_items" CONSTRAINT "purchase_items_product_id_fkey" FOREIGN KEY (produ
ct_id) REFERENCES products(id)
```

Part 6

Code:

```
var Massive=require("massive");
var express = require("express");
var app = express();
var http = require('http');
var db = Massive.connectSync({db : 'pgguide'});
```

```
var id;
```

```
app.set('db', "pgguide");
http.createServer(app).listen(8080);
```

// Part 1

// List all the users

```
app.get('/users', function(req, res) {
    db.run("Select * from users",function(err, r) {
        res.send(r);
    });
});
```

// Part 2

//GET /users/:id

```
app.get('/users/:id', function(req, res) {
    var id = req.params.id;
    db.users.find({id: id}, function (err, result) {
        res.send(result)
    });
});
```

// Part 3

// GET /products

```
app.get('/products', function(req, res) {
    db.run("Select * from products",function (err, result) {
        res.send(result);
    });
});
```

// Part 4

// GET /products/:id

```
app.get('/products/:id', function(req, res) {
    var id = req.params.id;
    db.products.find({id: id}, function (err, result) {
        res.send(result)
    });
});
```

```
    });  
  });
```

```
// Part 5  
// GET /purchases
```

```
app.get('/purchases', function(req, res) {  
  db.run("Select * from purchases",function (err, result) {  
    res.send(result);  
  });  
});
```

```
// Part 6  
// GET /products/:id
```

```
app.get('/purchases/:id', function(req, res) {  
  var id = req.params.id;  
  db.purchases.find({id: id}, function (err, result) {  
    res.send(result)  
  });  
});
```