# HTTP Endpoints

# Paul Good C12397836

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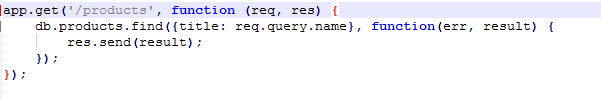
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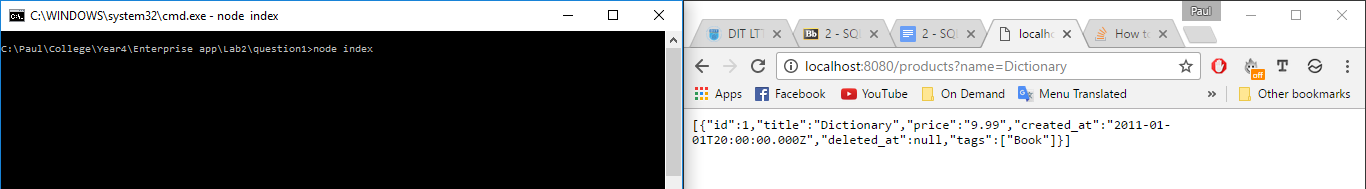
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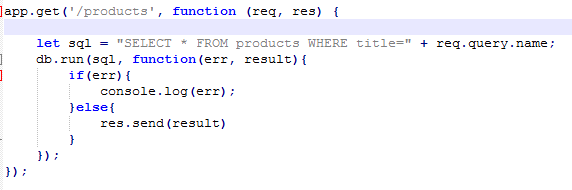
## Question 1

### Products by name





### Malformed Query

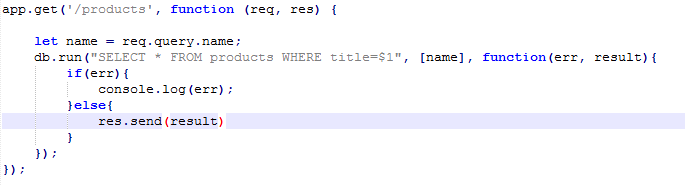


Use SQL injection :

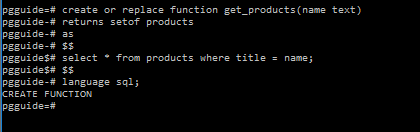
[http://localhost:8080/products?name=’anything](http://localhost:8080/products?name='anything)’ OR ‘x’=’x’; DROP TABLE products CASCADE;

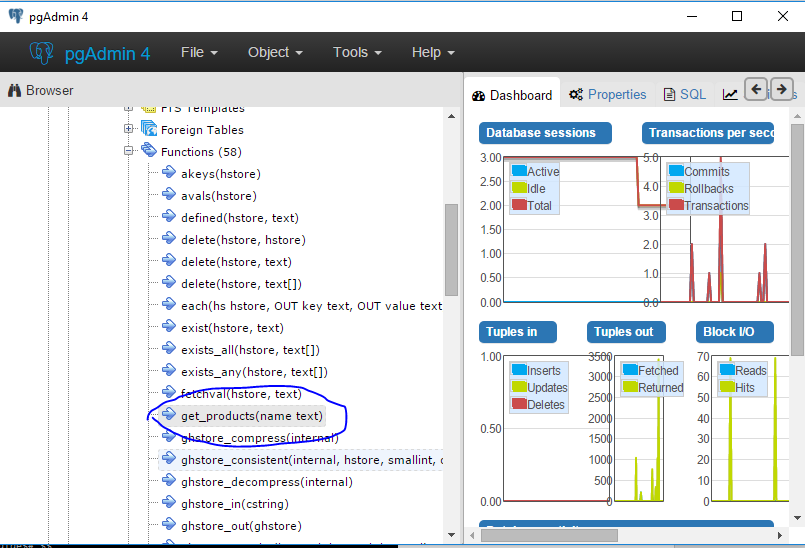
## Question 2

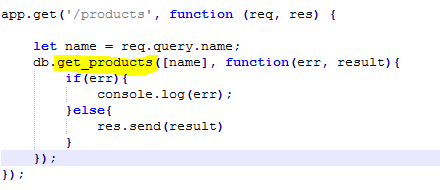
### Parameterised Query



### Using a stored procedure using SQL or PLPGSQL whichever you prefer

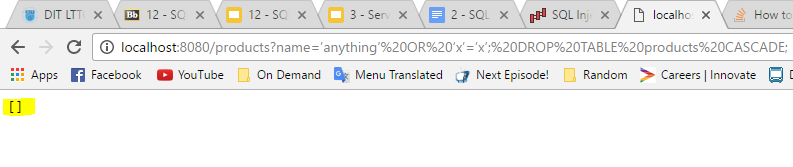






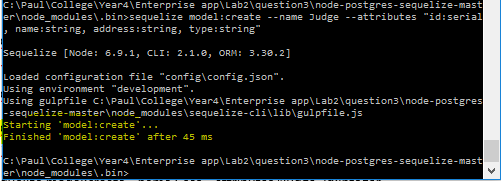
### Show attack does nothing now:

#### Empty result/request.

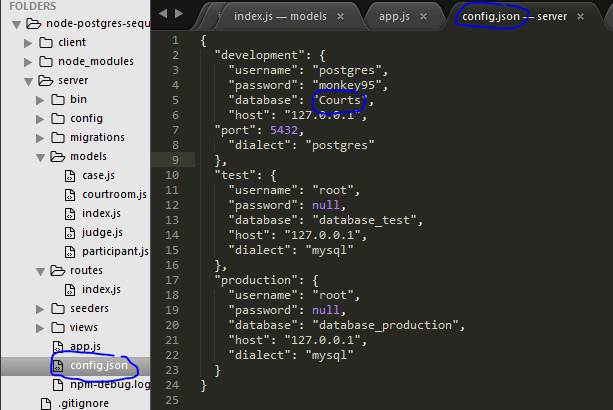


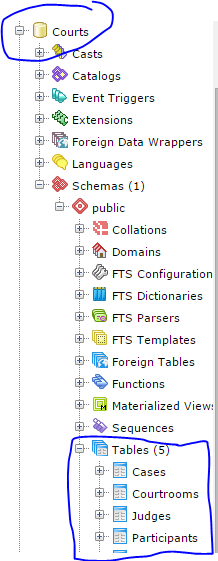
## Question 3

### New Express project using Sequelize ORM



### Wire it up to new Postgres database

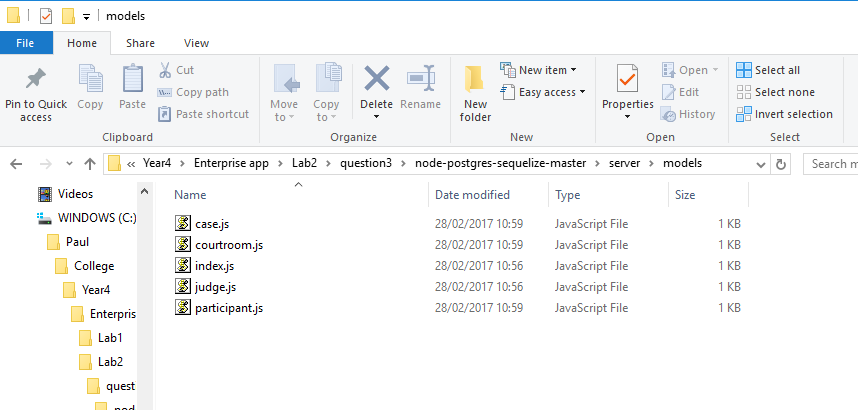




### Build schema for courts

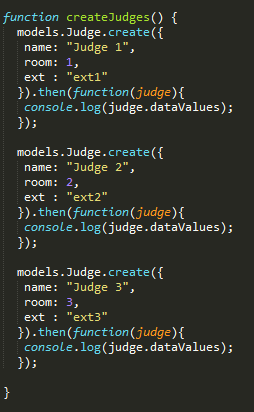
#### After sequelize init from server folder:

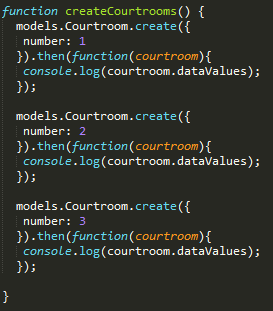
* ..\node\_modules\.bin\sequelize model:create --name Judge --attributes "id:serial, name:string, address:string, type:string"
* ..\node\_modules\.bin\sequelize model:create --name Courtroom --attributes "id:serial, number:string”
* ..\node\_modules\.bin\sequelize model:create --name Participant --attributes "id:serial, name:string, address:string, type:string”
* ..\node\_modules\.bin\sequelize model:create --name Case --attributes "judge\_id:integer, courtroom\_id:integer, claimant\_id:integer, respondent\_id:integer, start\_date:date, duration:interval, result:Boolean”

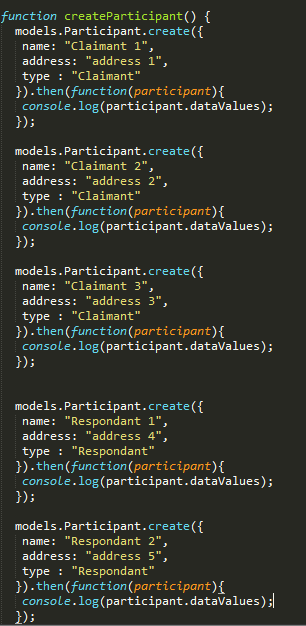


## Question 4

### Populate database







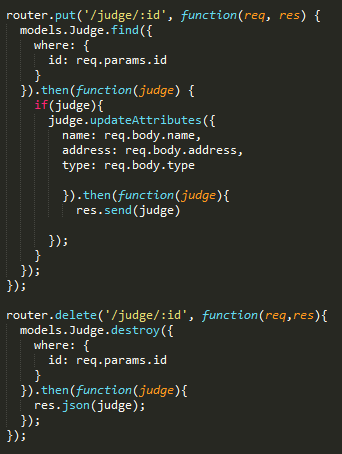


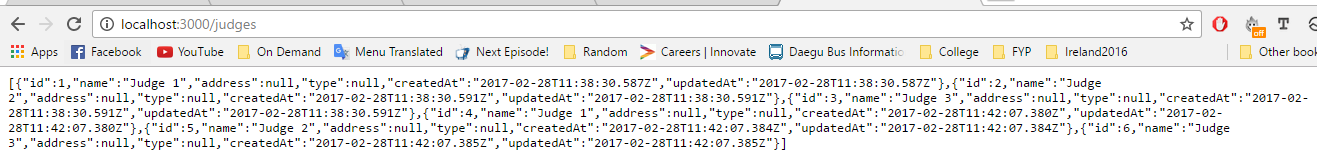
## Question 5

### Build RESTful API

#### Judges



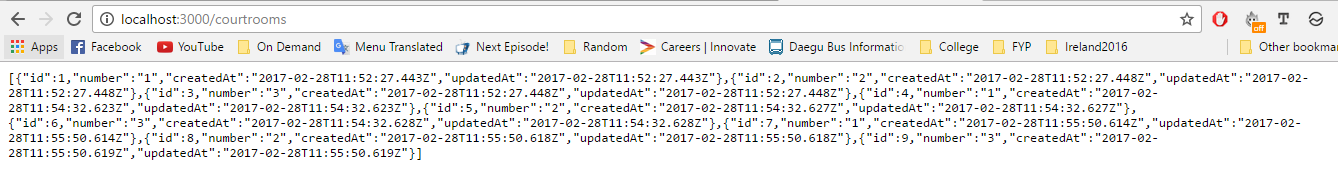




#### Courtrooms



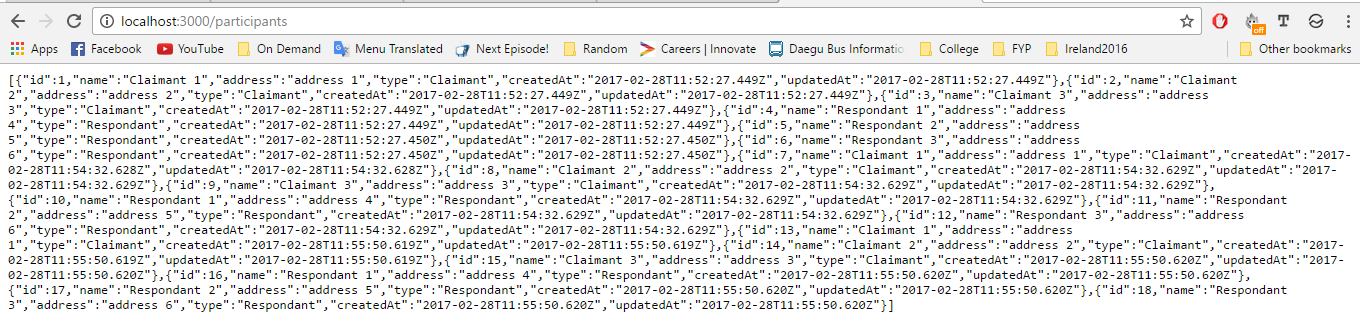




#### Participants







#### Cases

