

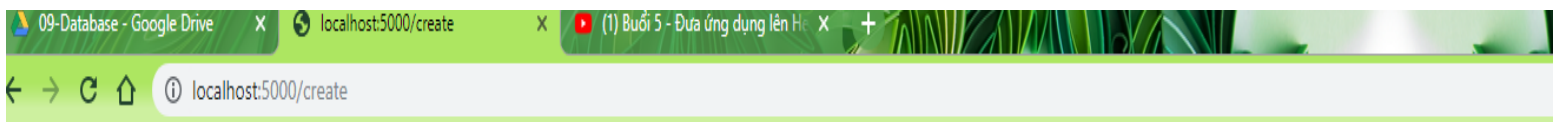
Báo cáo TMDT

1. Kết nối DB Postgre và thêm dữ liệu

The screenshot shows the PostgreSQL interface. On the left is the 'Schemas (1)' tree with 'public' expanded, showing various database objects. The main area displays a SQL query: `SELECT * FROM public."Products"`. Below the query, the 'Data Output' tab is active, showing a table with 11 rows and 9 columns. The columns are: id, name, summary, decription, price, createdAt, updatedAt, and imagepath. The data includes products like 'Product5', 'Product500', and 'Product10'.

id	name	summary	decription	price	createdAt	updatedAt	imagepath
1	Product5	[null]	[null]	9064529755	2019-10-05 00:46:33.833+07	2019-10-05 00:46:33.833+07	[null]
2	Product5	[null]	[null]	0733570987	2019-10-05 00:47:03.328+07	2019-10-05 00:47:03.328+07	[null]
3	Product5	[null]	[null]	2890908391	2019-10-05 00:47:05.977+07	2019-10-05 00:47:05.977+07	[null]
4	Product5	[null]	[null]	1251625174	2019-10-05 00:50:33.27+07	2019-10-05 00:50:33.27+07	[null]
5	Product5	[null]	[null]	7666818153	2019-10-05 00:50:35.47+07	2019-10-05 00:50:35.47+07	[null]
6	Product5	[null]	[null]	3734453835	2019-10-05 00:50:37.224+07	2019-10-05 00:50:37.224+07	[null]
7	Product500	[null]	[null]	4296110423	2019-10-05 00:50:45.705+07	2019-10-05 00:50:45.705+07	[null]
8	Product10	[null]	[null]	2493308646	2019-10-05 00:50:45.705+07	2019-10-05 00:50:45.705+07	[null]
9	Product500	[null]	[null]	1801052974	2019-10-05 00:50:47.529+07	2019-10-05 00:50:47.529+07	[null]
10	Product10	[null]	[null]	8737789734	2019-10-05 00:50:47.529+07	2019-10-05 00:50:47.529+07	[null]
11	Product500	[null]	[null]	0357176367	2019-10-05 00:52:00.788+07	2019-10-05 00:52:00.788+07	[null]

2. Thêm vào database dữ liệu trong create ở index : <http://localhost:5000/create>



"id":23,"name":"Product99","price":"10.366121100292336","updatedAt":"2019-10-04T20:10:26.977Z","createdAt":"2019-10-04T20:10:26.977Z","summary":null,"decription":null,"imagepath":null}

21	21	Product 3	Lorem ipsu...	Lorem ipsu...	9.99	2019-10-05 01:54:38.109605+07	2019-10-05 01:54:38.109605+07	[null]
22	22	Product 4	Lorem ipsu...	Lorem ipsu...	9.99	2019-10-05 01:54:38.109605+07	2019-10-05 01:54:38.109605+07	[null]
23	23	Product99	[null]	[null]	1100292336	2019-10-05 03:10:26.977+07	2019-10-05 03:10:26.977+07	[null]

3. Tìm tất cả phù hợp điều kiện trong reaAll ở index : <http://localhost:5000/readAll>

localhost:5000/readAll

```
[{"id":1,"name":"Product5","sumery":null,"decripsion":null,"price":"38.878989064529755","createdAt":"2019-10-04T17:46:33.833Z","updatedAt":"2019-10-04T17:46:33.833Z"}, {"id":2,"name":"Product5","sumery":null,"decripsion":null,"price":"37.53040733570987","createdAt":"2019-10-04T17:47:03.328Z","updatedAt":"2019-10-04T17:47:03.328Z"}, {"id":3,"name":"Product5","sumery":null,"decripsion":null,"price":"61.97692890908391","createdAt":"2019-10-04T17:47:05.977Z","updatedAt":"2019-10-04T17:47:05.977Z"}, {"id":4,"name":"Product5","sumery":null,"decripsion":null,"price":"67.7721251625174","createdAt":"2019-10-04T17:50:33.270Z","updatedAt":"2019-10-04T17:50:33.270Z"}, {"id":5,"name":"Product5","sumery":null,"decripsion":null,"price":"86.9727666818153","createdAt":"2019-10-04T17:50:35.470Z","updatedAt":"2019-10-04T17:50:35.470Z"}, {"id":6,"name":"Product5","sumery":null,"decripsion":null,"price":"87.57863734453835","createdAt":"2019-10-04T17:50:37.224Z","updatedAt":"2019-10-04T17:50:37.224Z"}, {"id":7,"name":"Product500","sumery":null,"decripsion":null,"price":"42.96054296110423","createdAt":"2019-10-04T17:50:45.705Z","updatedAt":"2019-10-04T17:50:45.705Z"}, {"id":8,"name":"Product10","sumery":null,"decripsion":null,"price":"5.016952493308646","createdAt":"2019-10-04T17:50:45.705Z","updatedAt":"2019-10-04T17:50:45.705Z"}, {"id":9,"name":"Product500","sumery":null,"decripsion":null,"price":"52.90791801052974","createdAt":"2019-10-04T17:50:47.529Z","updatedAt":"2019-10-04T17:50:47.529Z"}, {"id":10,"name":"Product10","sumery":null,"decripsion":null,"price":"59.725068737789734","createdAt":"2019-10-04T17:50:47.529Z","updatedAt":"2019-10-04T17:50:47.529Z"}, {"id":11,"name":"Product500","sumery":null,"decripsion":null,"price":"8.462950357176367","createdAt":"2019-10-04T17:52:00.788Z","updatedAt":"2019-10-04T17:52:00.788Z"}, {"id":12,"name":"Product10","sumery":null,"decripsion":null,"price":"26.32897616764829","createdAt":"2019-10-04T17:52:00.788Z","updatedAt":"2019-10-04T17:52:00.788Z"}, {"id":13,"name":"Product500","sumery":null,"decripsion":null,"price":"40.50857174766402","createdAt":"2019-10-04T17:53:12.685Z","updatedAt":"2019-10-04T17:53:12.685Z"}, {"id":14,"name":"Product10","sumery":null,"decripsion":null,"price":"47.051338234781205","createdAt":"2019-10-04T17:53:12.685Z","updatedAt":"2019-10-04T17:53:12.685Z"}, {"id":15,"name":"Product5","sumery":null,"decripsion":null,"price":"95.41733024325474","createdAt":"2019-10-04T18:20:04.333Z","updatedAt":"2019-10-04T18:20:04.333Z"}, {"id":16,"name":"Product500","sumery":null,"decripsion":null,"price":"43.09767451974857","createdAt":"2019-10-04T18:26:51.438Z","updatedAt":"2019-10-04T18:26:51.438Z"}, {"id":17,"name":"Product10","sumery":null,"decripsion":null,"price":"57.9967041042551","createdAt":"2019-10-04T18:26:51.438Z","updatedAt":"2019-10-04T18:26:51.438Z"}, {"id":18,"name":"Product99","sumery":null,"decripsion":null,"price":"8.039536416240933","createdAt":"2019-10-04T18:48:37.600Z","updatedAt":"2019-10-04T18:48:37.600Z"}, {"id":19,"name":"Product 1","sumery":"Lorem ipsum dolor, sit amet consectetur adipisicing elit. Quam voluptatem earum iste pariatur consectetur, eos sapiente alias aspernatur architecto molestias numquam officia, distinctio, quis libero molestiae necessitatibus quia laudantium itaque, di itaque.", "decripsion":"Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam voluptatem earum iste pariatur consectetur, eos sapiente alias aspernatur architecto molestias numquam officia, distinctio, quis libero molestiae necessitatibus quia laudantium itaque, di itaque.", "price":"9.99", "createdAt":"2019-10-04T18:54:38.109Z", "updatedAt":"2019-10-04T18:54:38.109Z"}, {"id":20,"name":"Product 3","sumery":"Lorem ipsum dolor, sit amet consectetur adipisicing elit. Quam voluptatem earum iste pariatur officia, distinctio, quis libero molestiae necessitatibus quia laudantium itaque.", "decripsion":"Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam voluptatem earum iste pariatur officia, distinctio, quis libero molestiae necessitatibus quia laudantium itaque.", "price":"9.99", "createdAt":"2019-10-04T18:54:38.109Z", "updatedAt":"2019-10-04T18:54:38.109Z"}, {"id":21,"name":"Product 3","sumery":"Lorem ipsum dolor, sit amet consectetur adipisicing elit. Quam voluptatem earum iste pariatur officia, distinctio, quis libero molestiae necessitatibus quia laudantium itaque.", "decripsion":"Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam voluptatem earum iste pariatur officia, distinctio, quis libero molestiae necessitatibus quia laudantium itaque.", "price":"9.99", "createdAt":"2019-10-04T18:54:38.109Z", "updatedAt":"2019-10-04T18:54:38.109Z"}, {"id":22,"name":"Product 4","sumery":"Lorem ipsum dolor, sit amet consectetur, eos sapiente alias aspernatur architecto molestias numquam officia, distinctio, quis libero molestiae necessitatibus quia laudantium itaque.", "decripsion":"Lorem ipsum dolor sit amet consectetur, eos sapiente alias aspernatur architecto molestias numquam officia, distinctio, quis libero molestiae necessitatibus quia laudantium itaque.", "price":"9.99", "createdAt":"2019-10-04T18:54:38.109Z", "updatedAt":"2019-10-04T18:54:38.109Z"}, {"id":23,"name":"Product99","sumery":null,"decripsion":null,"price":"10.366121100292336","createdAt":"2019-10-04T20:10:26.977Z","updatedAt":"2019-10-04T20:10:26.977Z"}]
```

4. Tìm 1 kết quả đúng điều kiện trong reaOne ở index :

<http://localhost:5000/readOne>

localhost:5000/readOne

```
{ "id":19,"name":"Product 1","sumery":"Lorem ipsum dolor, sit amet consectetur adipisicing elit. Quam voluptatem earum iste pariatur consectetur, eos sapiente alias aspernatur architecto molestias numquam officia, distinctio, quis libero molestiae necessitatibus quia laudantium itaque.", "decripsion":"Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam voluptatem earum iste pariatur officia, distinctio, quis libero molestiae necessitatibus quia laudantium itaque.", "price":"9.99", "createdAt":"2019-10-04T18:54:38.109Z", "updatedAt":"2019-10-04T18:54:38.109Z" }
```

Hướng dẫn post file lên heroku


1. Tạo tài khoản tại heroku.com
2. Tạo new app

Create New App

App name

app-name

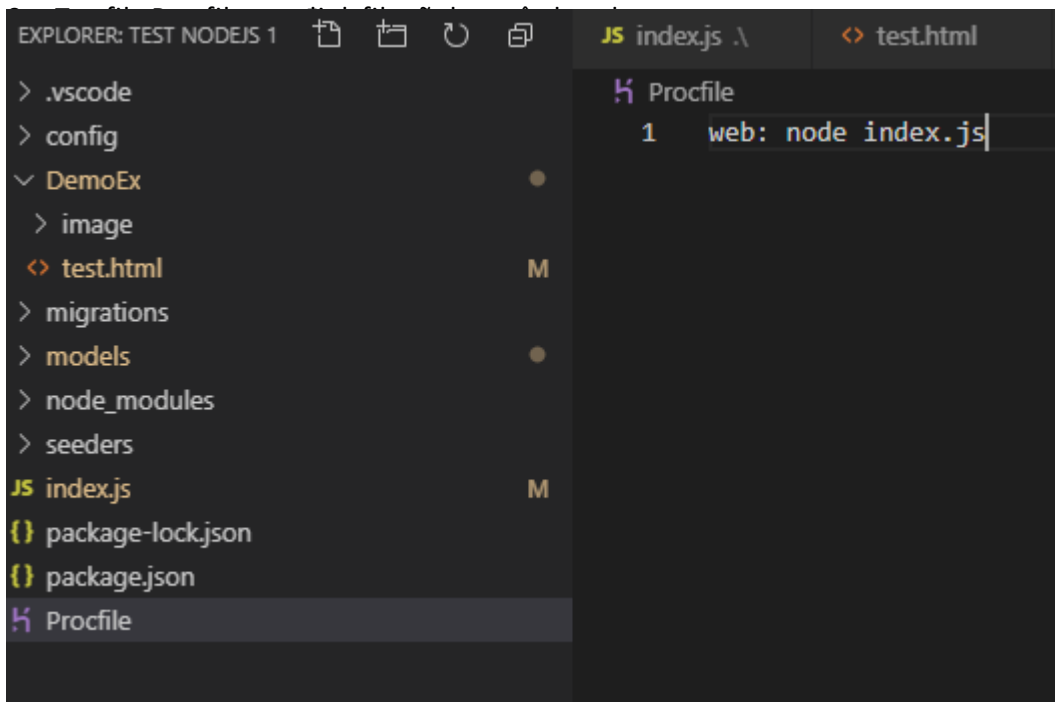
Choose a region

 United States

Add to pipeline...

Create app

3. Tải Heroku CLI
4. Login heroku in CMD
5. CD đến thư mục app
6. git add .
7. git commit -am "make it better"
8. git push heroku master



The screenshot shows the VS Code interface. On the left, the Explorer sidebar displays a file tree for a project named 'TEST NODEJS 1'. The tree includes folders like '.vscode', 'config', 'DemoEx', 'image', 'migrations', 'models', 'node_modules', and 'seeders'. Files listed include 'test.html', 'index.js', 'package-lock.json', 'package.json', and 'Procfile'. The 'Procfile' is selected and highlighted. On the right, the editor window shows the content of the 'Procfile', which contains a single line: '1 web: node index.js'.

10. Sửa thông số port

```
87  
88  app.listen(process.env.PORT || 5000);
```

11. Làm lại các bước 6,7,8