

## Homework 4

1a) After successful installation , displaying the version of node.js:

```
kaushikparthasarathy — zsh — 80x24
[(base) kaushikparthasarathy@Sreenidhi ~ % node --version
v22.14.0
[(base) kaushikparthasarathy@Sreenidhi ~ % npm --version
10.9.2
(base) kaushikparthasarathy@Sreenidhi ~ %
```

1b) Running npm install mysql

```
[(base) kaushikparthasarathy@Sreenidhi ~ % npm install mysql

added 11 packages in 1s
npm notice
npm notice New major version of npm available! 10.9.2 -> 11.1.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.1.0
npm notice To update run: npm install -g npm@11.1.0
npm notice
```

1c)Running npm install -g express

```
[(base) kaushikparthasarathy@Sreenidhi ~ % npm install -g express

added 69 packages in 1s

14 packages are looking for funding
  run `npm fund` for details
```

1d) Running npm install react react-dom --save

```
[(base) kaushikparthasarathy@Sreenidhi ~ % npm install react react-dom --save

up to date, audited 15 packages in 639ms

found 0 vulnerabilities
```

1e) Running npm install --save webpack

```
[(base) kaushikparthasarathy@Sreenidhi ~ % npm install --save webpack

added 76 packages, and audited 91 packages in 3s

9 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

1f) Running `npm install babel-loader babel-preset-env babel-preset-react --save`

```
Run npm audit for details.
(base) kaushikparthasarathy@Sreenidhi ~ % npm install babel-loader babel-preset-env babel-preset-react --save

added 11 packages, and audited 215 packages in 2s

17 packages are looking for funding
  run `npm fund` for details
```

1g) `sudo npm install -g @aws-amplify/cli`

```
(base) kaushikparthasarathy@Sreenidhi ~ % sudo npm install -g @aws-amplify/cli

[Password:
npm warn deprecated inflight@1.0.6: This module is not supported, and leaks memory. Do not use it. Check out lru-cache if you want a good and tested way to coalesce async requests by a key value, which is much more comprehensive and powerful.
npm warn deprecated rimraf@3.0.2: Rimraf versions prior to v4 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported

added 47 packages in 2m

12 packages are looking for funding
  run `npm fund` for details
```

1h) Running `npm init -y`, `npm install mysql`, `npm install -g express`, `npm install react react-dom --save`, `npm install webpack --save`

```
(base) kaushikparthasarathy@Sreenidhi A4-food-paradise % npm init -y
Wrote to /Users/kaushikparthasarathy/Desktop/SJSU/2nd_Semester/DATA_236_Distributed_systems/Assignments/A4-food-paradise/package.json:

{
  "name": "a4-food-paradise",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "description": ""
}

(base) kaushikparthasarathy@Sreenidhi A4-food-paradise % npm install mysql
added 11 packages, and audited 12 packages in 999ms

found 0 vulnerabilities
(base) kaushikparthasarathy@Sreenidhi A4-food-paradise % npm install -g express
changed 69 packages in 2s

14 packages are looking for funding
  run `npm fund` for details
(base) kaushikparthasarathy@Sreenidhi A4-food-paradise % npm install react react-dom --save

added 3 packages, and audited 15 packages in 1s

found 0 vulnerabilities
(base) kaushikparthasarathy@Sreenidhi A4-food-paradise % npm install webpack --save

added 76 packages, and audited 91 packages in 4s

9 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

1i) Running `sudo npm install -g @aws-amplify/cli`

```
(base) kaushikparthasarathy@Sreenidhi A4-food-paradise % sudo npm install -g @aws-amplify/cli
[Password:
npm warn deprecated inflight@1.0.6: This module is not supported, and leaks memory. Do not use it. Check out lru-cache if you want a good and tested way to coalesce async requests by a key value, which is much more comprehensive and powerful.
npm warn deprecated rimraf@3.0.2: Rimraf versions prior to v4 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported

changed 47 packages in 2m

12 packages are looking for funding
  run `npm fund` for details
(base) kaushikparthasarathy@Sreenidhi A4-food-paradise %
```

1j) running `sudo npm install express`

```
(base) kaushikparthasarathy@Sreenidhi A4-food-paradise % sudo npm install express
[Password:

added 67 packages, and audited 158 packages in 2s

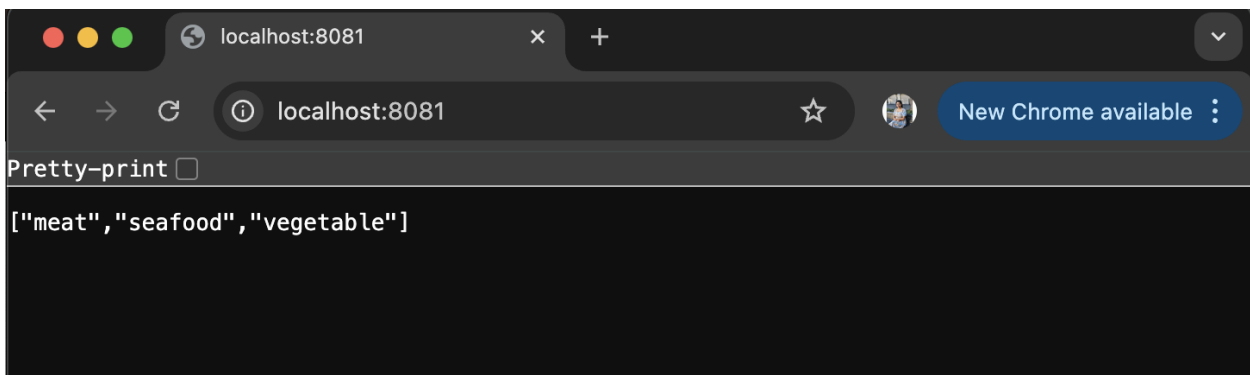
23 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

2) Initiating the server using `node server.js`

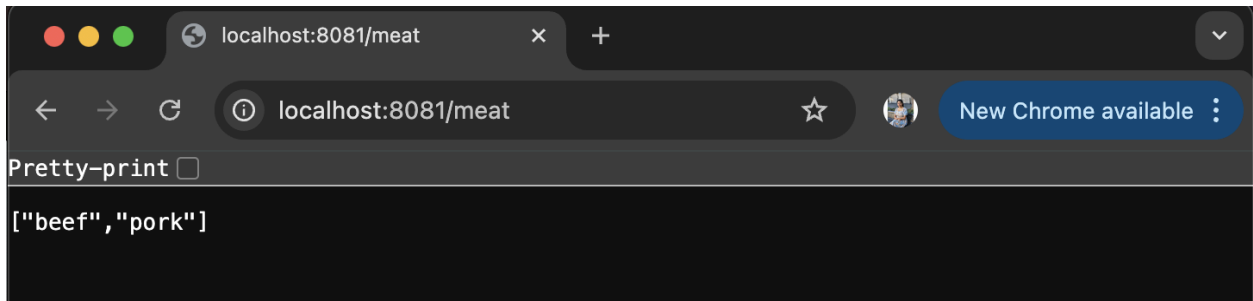
```
((base) kaushikparthasarathy@Sreenidhi A4-food-paradise % node server.js
Server running at http://localhost:8081
```

2a) Home Page: <http://localhost:8081>

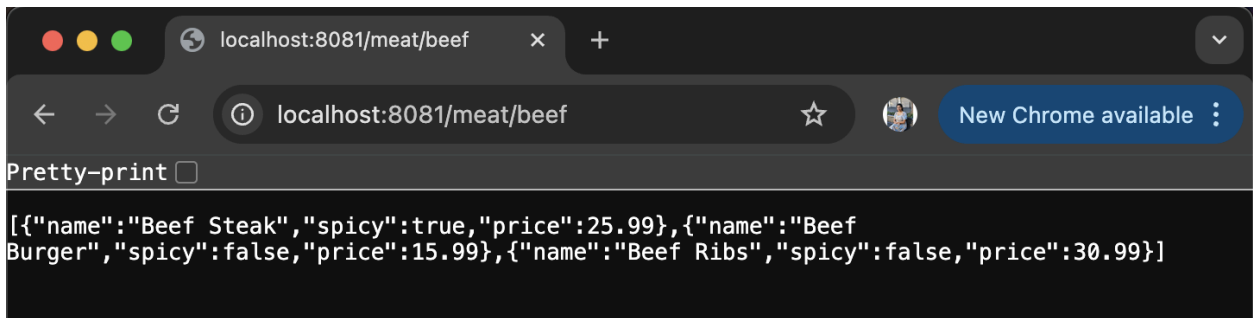


The screenshot shows a web browser window with the address bar set to `localhost:8081`. The page content includes a label "Pretty-print" followed by an unchecked checkbox. Below this, a JSON array is displayed: `["meat","seafood","vegetable"]`.

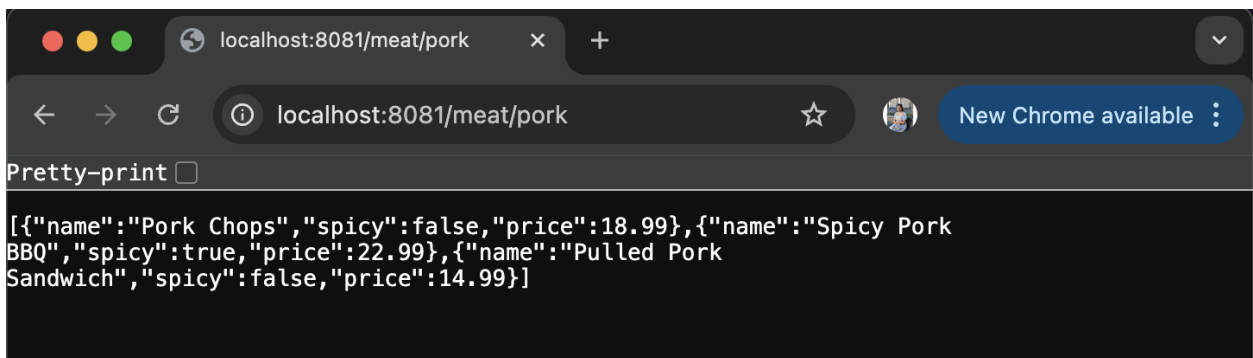
2b) <http://localhost:8081/meat>



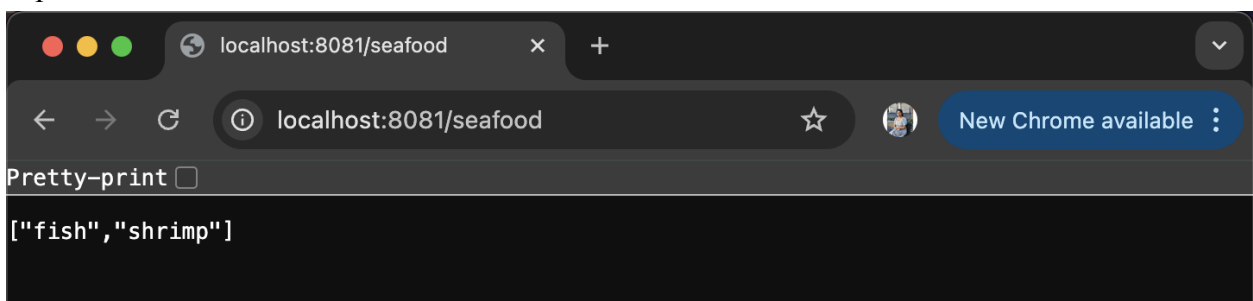
2c) <http://localhost:8081/meat/beef>



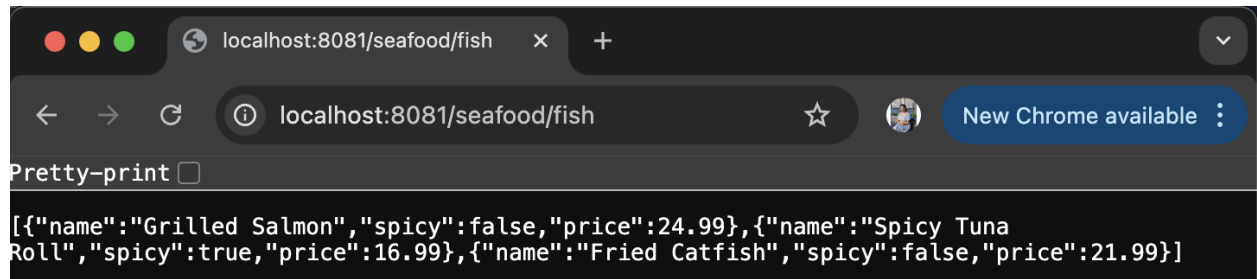
<http://localhost:8081/meat/pork>



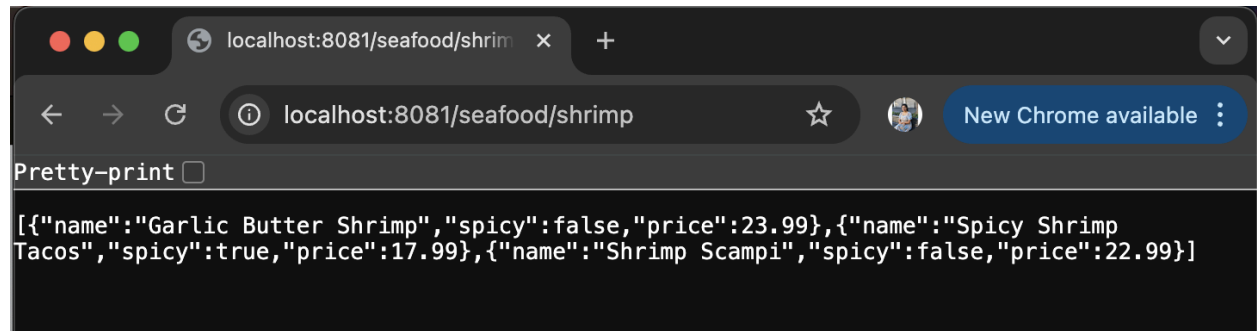
<http://localhost:8081/seafood>



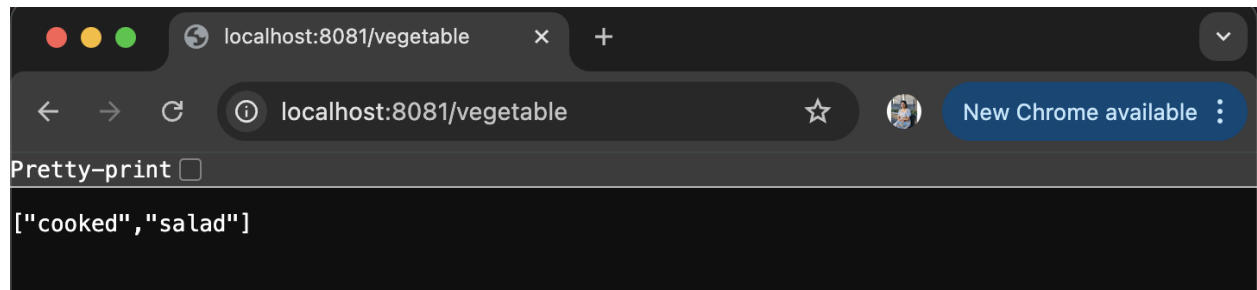
http://localhost:8081/seafood/fish



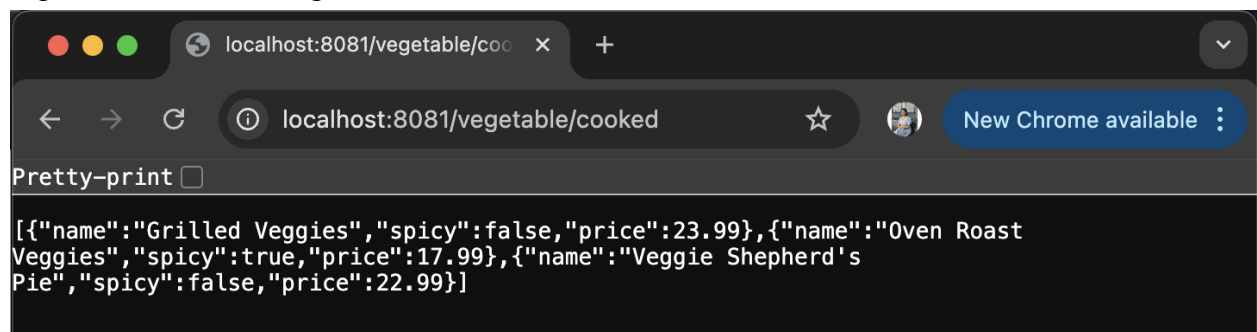
http://localhost:8081/seafood/shrimp



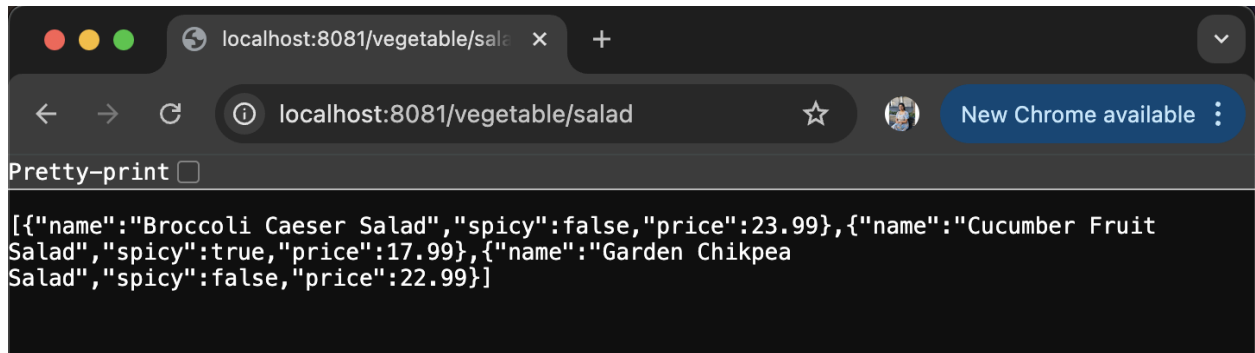
http://localhost:8081/vegetable



http://localhost:8081/vegetable

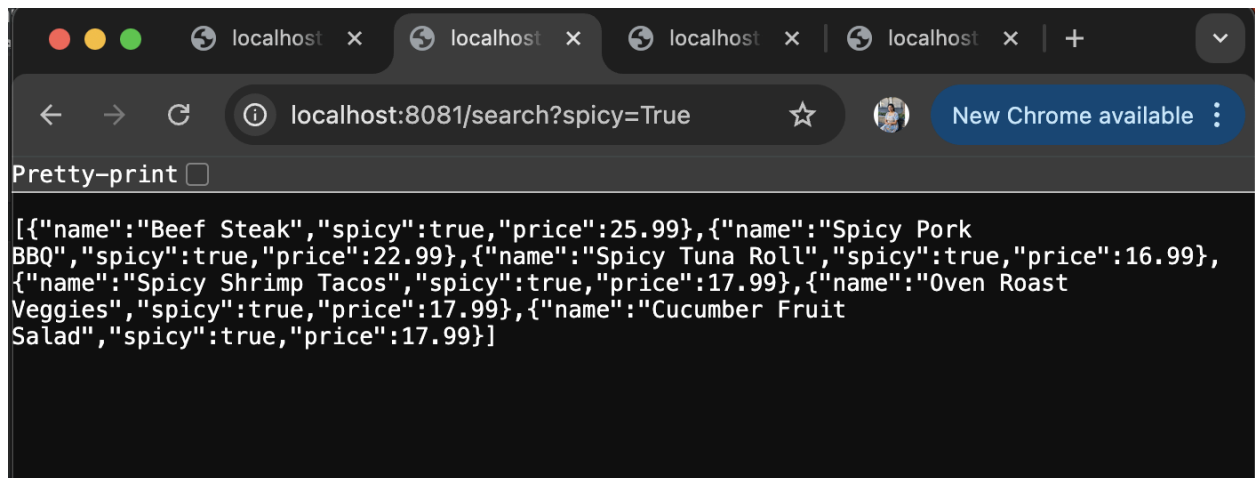


http://localhost:8081/vegetable/salad

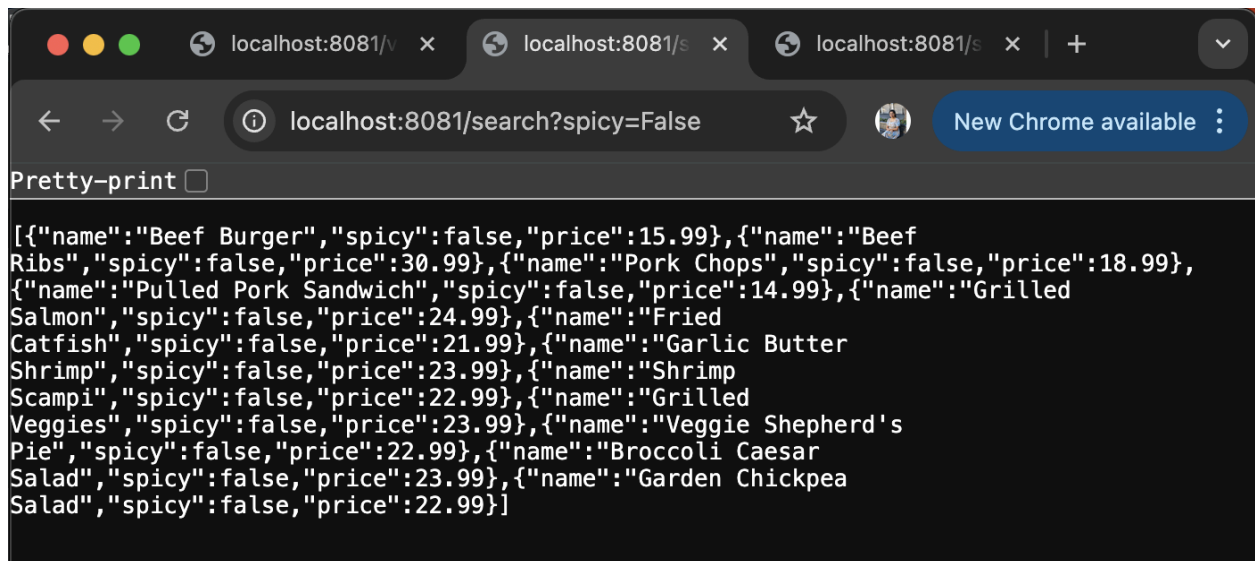


```
[{"name":"Broccoli Caesar Salad","spicy":false,"price":23.99}, {"name":"Cucumber Fruit Salad","spicy":true,"price":17.99}, {"name":"Garden Chickpea Salad","spicy":false,"price":22.99}]
```

2d) Filter Dishes by Spiciness



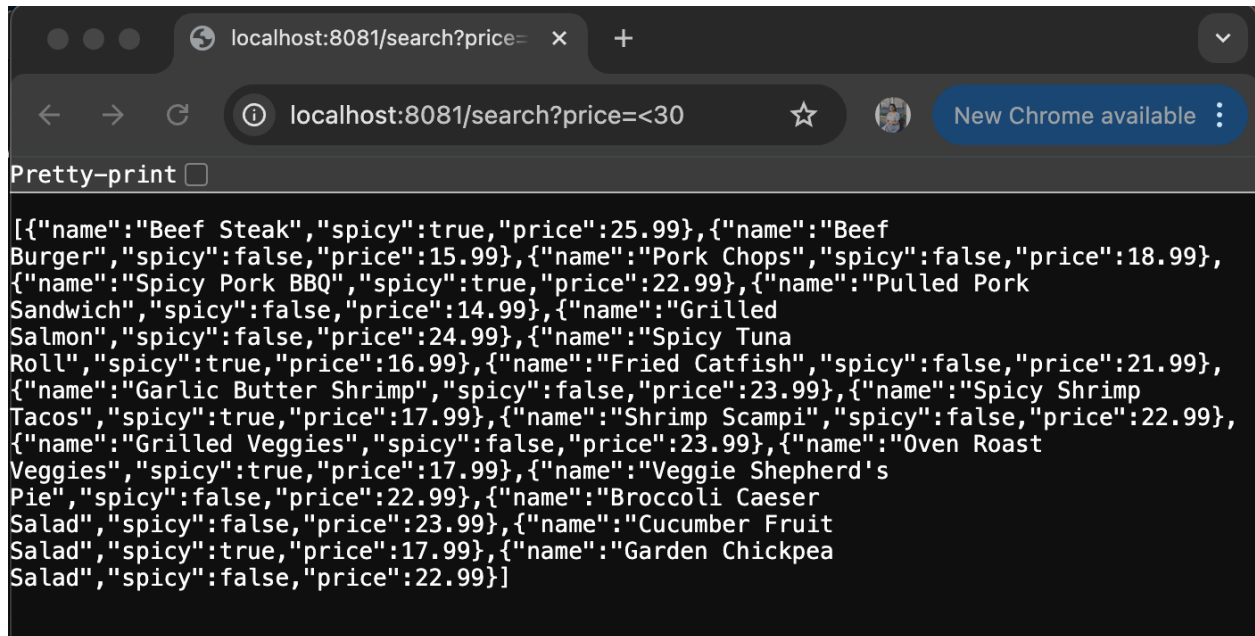
```
[{"name":"Beef Steak","spicy":true,"price":25.99}, {"name":"Spicy Pork BBQ","spicy":true,"price":22.99}, {"name":"Spicy Tuna Roll","spicy":true,"price":16.99}, {"name":"Spicy Shrimp Tacos","spicy":true,"price":17.99}, {"name":"Oven Roast Veggies","spicy":true,"price":17.99}, {"name":"Cucumber Fruit Salad","spicy":true,"price":17.99}]
```



```
[{"name":"Beef Burger","spicy":false,"price":15.99}, {"name":"Beef Ribs","spicy":false,"price":30.99}, {"name":"Pork Chops","spicy":false,"price":18.99}, {"name":"Pulled Pork Sandwich","spicy":false,"price":14.99}, {"name":"Grilled Salmon","spicy":false,"price":24.99}, {"name":"Fried Catfish","spicy":false,"price":21.99}, {"name":"Garlic Butter Shrimp","spicy":false,"price":23.99}, {"name":"Shrimp Scampi","spicy":false,"price":22.99}, {"name":"Grilled Veggies","spicy":false,"price":23.99}, {"name":"Veggie Shepherd's Pie","spicy":false,"price":22.99}, {"name":"Broccoli Caesar Salad","spicy":false,"price":23.99}, {"name":"Garden Chickpea Salad","spicy":false,"price":22.99}]
```



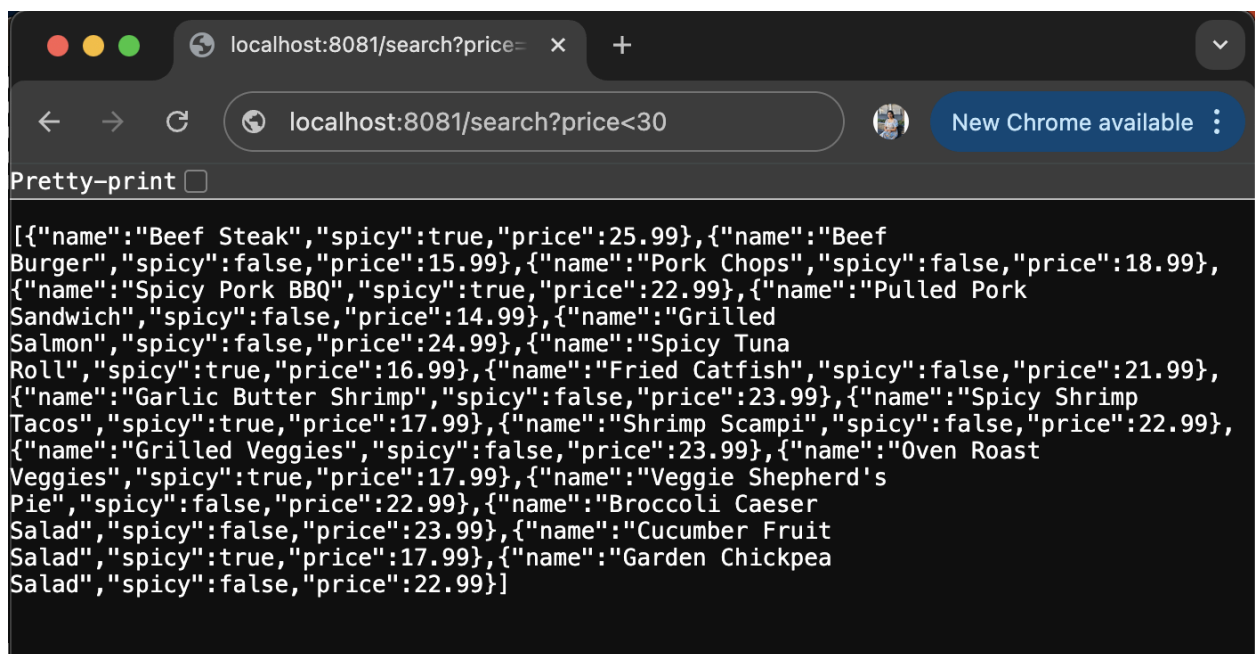
## 2e) Filter Dishes by Price



```
localhost:8081/search?price=<=30

Pretty-print ☐

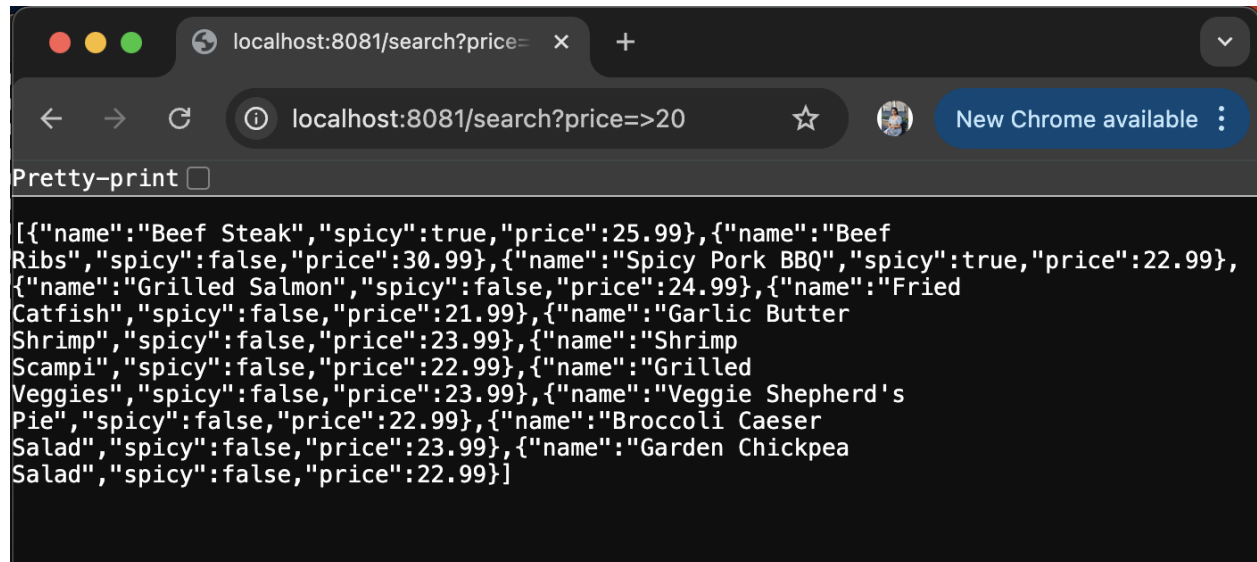
[{"name":"Beef Steak","spicy":true,"price":25.99}, {"name":"Beef Burger","spicy":false,"price":15.99}, {"name":"Pork Chops","spicy":false,"price":18.99}, {"name":"Spicy Pork BBQ","spicy":true,"price":22.99}, {"name":"Pulled Pork Sandwich","spicy":false,"price":14.99}, {"name":"Grilled Salmon","spicy":false,"price":24.99}, {"name":"Spicy Tuna Roll","spicy":true,"price":16.99}, {"name":"Fried Catfish","spicy":false,"price":21.99}, {"name":"Garlic Butter Shrimp","spicy":false,"price":23.99}, {"name":"Spicy Shrimp Tacos","spicy":true,"price":17.99}, {"name":"Shrimp Scampi","spicy":false,"price":22.99}, {"name":"Grilled Veggies","spicy":false,"price":23.99}, {"name":"Oven Roast Veggies","spicy":true,"price":17.99}, {"name":"Veggie Shepherd's Pie","spicy":false,"price":22.99}, {"name":"Broccoli Caesar Salad","spicy":false,"price":23.99}, {"name":"Cucumber Fruit Salad","spicy":true,"price":17.99}, {"name":"Garden Chickpea Salad","spicy":false,"price":22.99}]
```



```
localhost:8081/search?price<30

Pretty-print ☐

[{"name":"Beef Steak","spicy":true,"price":25.99}, {"name":"Beef Burger","spicy":false,"price":15.99}, {"name":"Pork Chops","spicy":false,"price":18.99}, {"name":"Spicy Pork BBQ","spicy":true,"price":22.99}, {"name":"Pulled Pork Sandwich","spicy":false,"price":14.99}, {"name":"Grilled Salmon","spicy":false,"price":24.99}, {"name":"Spicy Tuna Roll","spicy":true,"price":16.99}, {"name":"Fried Catfish","spicy":false,"price":21.99}, {"name":"Garlic Butter Shrimp","spicy":false,"price":23.99}, {"name":"Spicy Shrimp Tacos","spicy":true,"price":17.99}, {"name":"Shrimp Scampi","spicy":false,"price":22.99}, {"name":"Grilled Veggies","spicy":false,"price":23.99}, {"name":"Oven Roast Veggies","spicy":true,"price":17.99}, {"name":"Veggie Shepherd's Pie","spicy":false,"price":22.99}, {"name":"Broccoli Caesar Salad","spicy":false,"price":23.99}, {"name":"Cucumber Fruit Salad","spicy":true,"price":17.99}, {"name":"Garden Chickpea Salad","spicy":false,"price":22.99}]
```

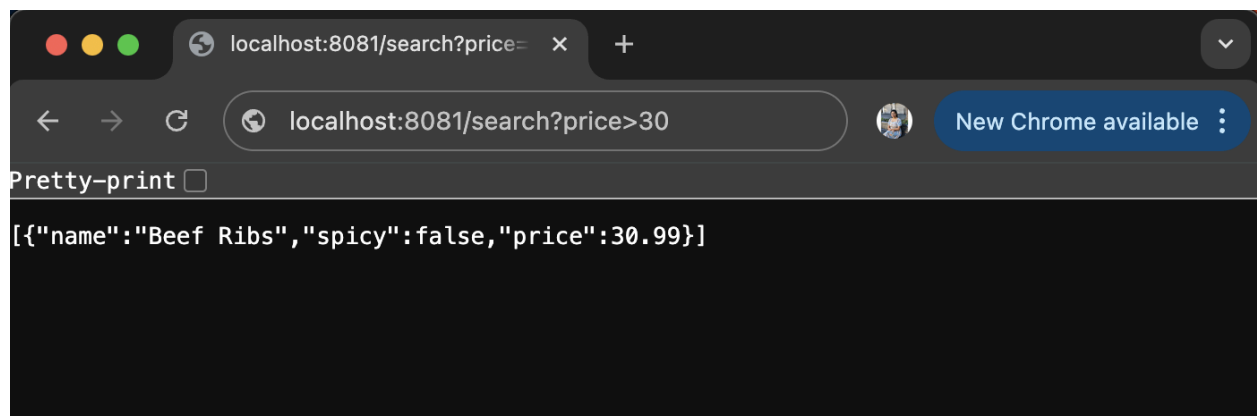


localhost:8081/search?price= x +

localhost:8081/search?price=>20 ☆ New Chrome available

Pretty-print ☐

```
[{"name": "Beef Steak", "spicy": true, "price": 25.99}, {"name": "Beef Ribs", "spicy": false, "price": 30.99}, {"name": "Spicy Pork BBQ", "spicy": true, "price": 22.99}, {"name": "Grilled Salmon", "spicy": false, "price": 24.99}, {"name": "Fried Catfish", "spicy": false, "price": 21.99}, {"name": "Garlic Butter Shrimp", "spicy": false, "price": 23.99}, {"name": "Shrimp Scampi", "spicy": false, "price": 22.99}, {"name": "Grilled Veggies", "spicy": false, "price": 23.99}, {"name": "Veggie Shepherd's Pie", "spicy": false, "price": 22.99}, {"name": "Broccoli Caesar Salad", "spicy": false, "price": 23.99}, {"name": "Garden Chickpea Salad", "spicy": false, "price": 22.99}]
```



localhost:8081/search?price= x +

localhost:8081/search?price>30 ☆ New Chrome available

Pretty-print ☐

```
[{"name": "Beef Ribs", "spicy": false, "price": 30.99}]
```