LUMA Technical Interview

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- Stored the static data for two doctors with fields: name and hours
  In hours, two time slots have defined, where true represent availability and false represent hours are booked

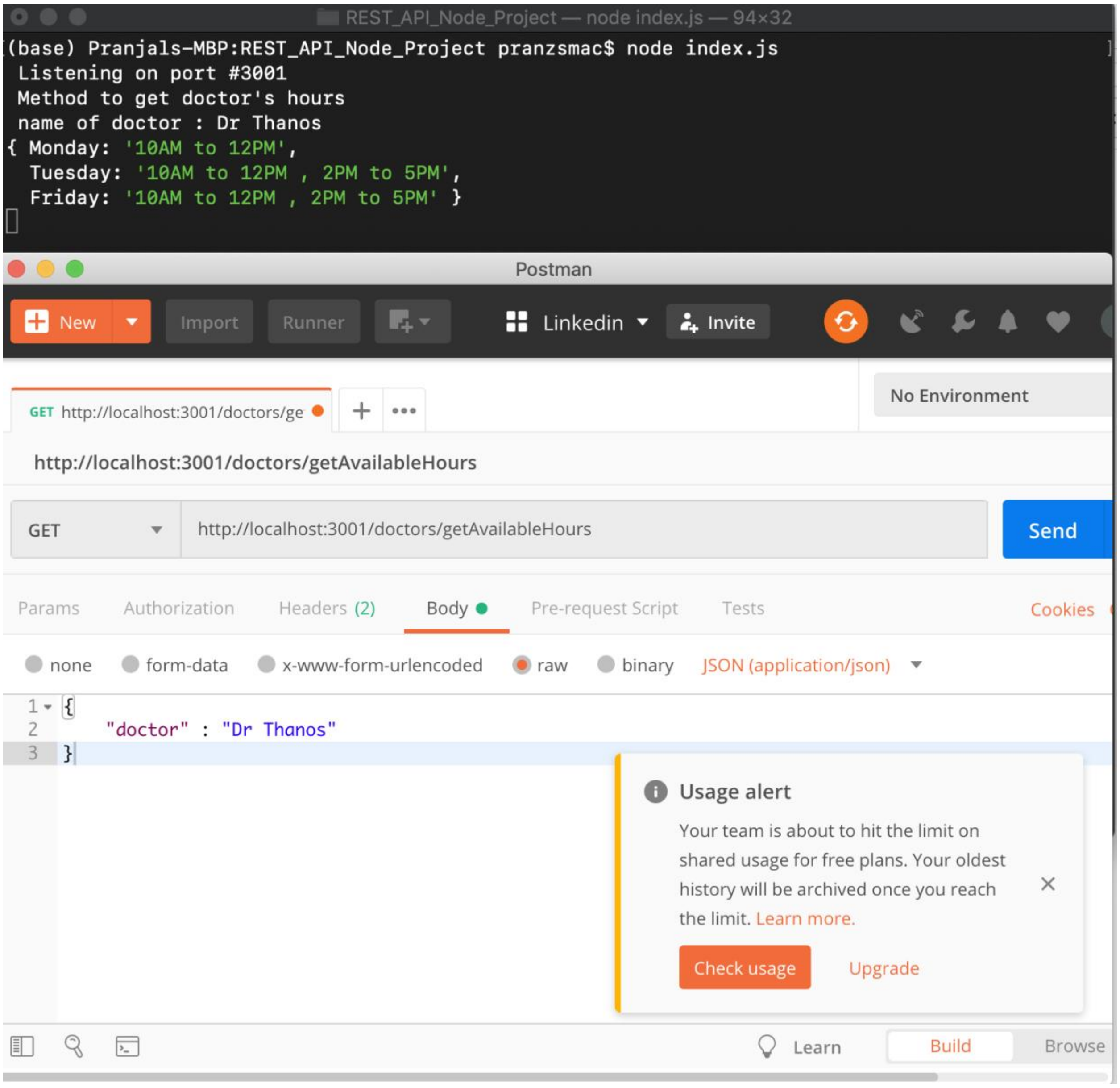
```
    '10AM to 12PM’: true,
'2PM to 5PM’: false
```

- Every appointment is stored as one entry in object named ‘appointments’

1) Find a doctor's working hours:

Get request based on appropriate doctor, doctor name is passed in request body

call: GET: http://localhost:3001/doctors/getAvailableHours



REST_API_Node_Project — node index.js — 94×32

```
(base) Pranjals-MBP:REST_API_Node_Project pranzsmac$ node index.js
 Listening on port #3001
 Method to get doctor's hours
 name of doctor : Dr Thanos
{ Monday: '10AM to 12PM',
  Tuesday: '10AM to 12PM , 2PM to 5PM',
  Friday: '10AM to 12PM , 2PM to 5PM' }
```

Postman

http://localhost:3001/doctors/getAvailableHours

GET http://localhost:3001/doctors/getAvailableHours

Body: raw, JSON (application/json)

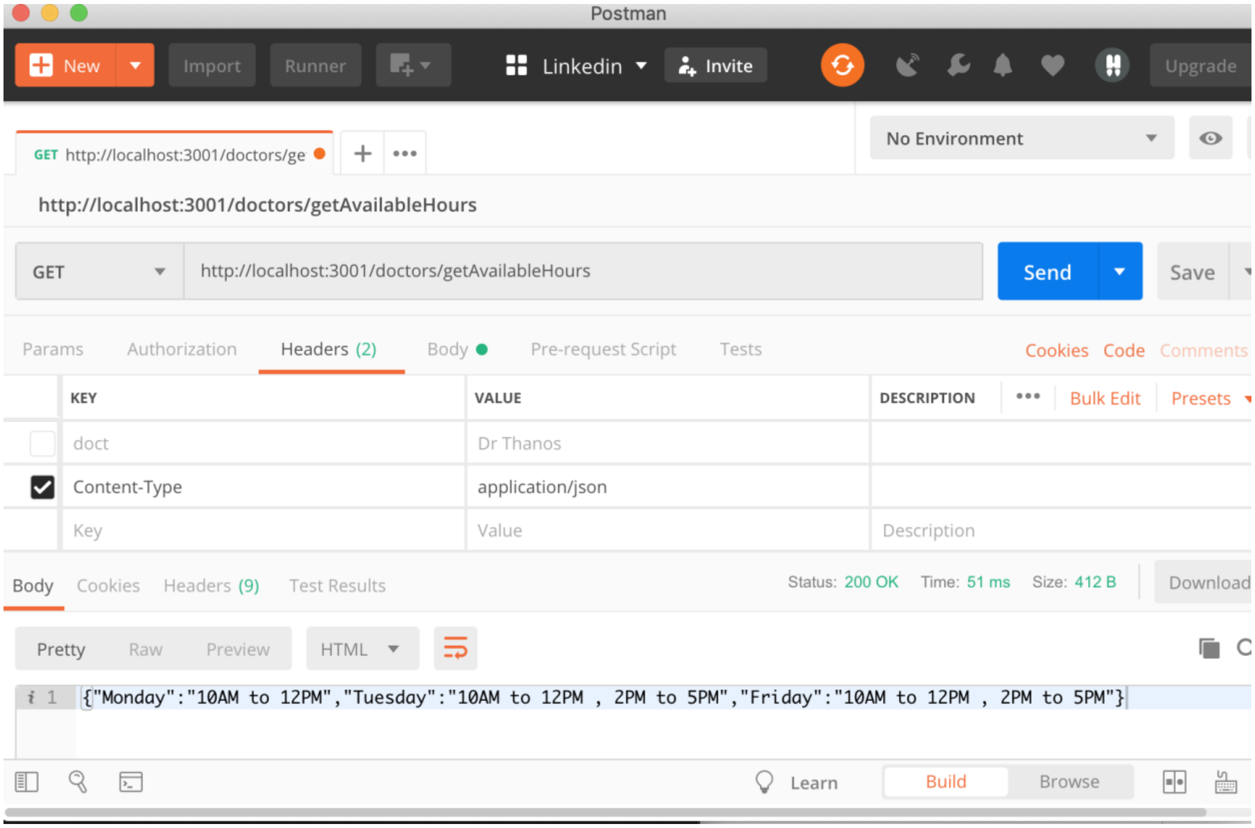
```
{
    "doctor" : "Dr Thanos"
}
```

Usage alert

Your team is about to hit the limit on shared usage for free plans. Your oldest history will be archived once you reach the limit. Learn more.

Check usage   Upgrade

response:



	KEY	VALUE	DESCRIPTION
□	doct	Dr Thanos	
☑	Content-Type	application/json	
	Key	Value	Description

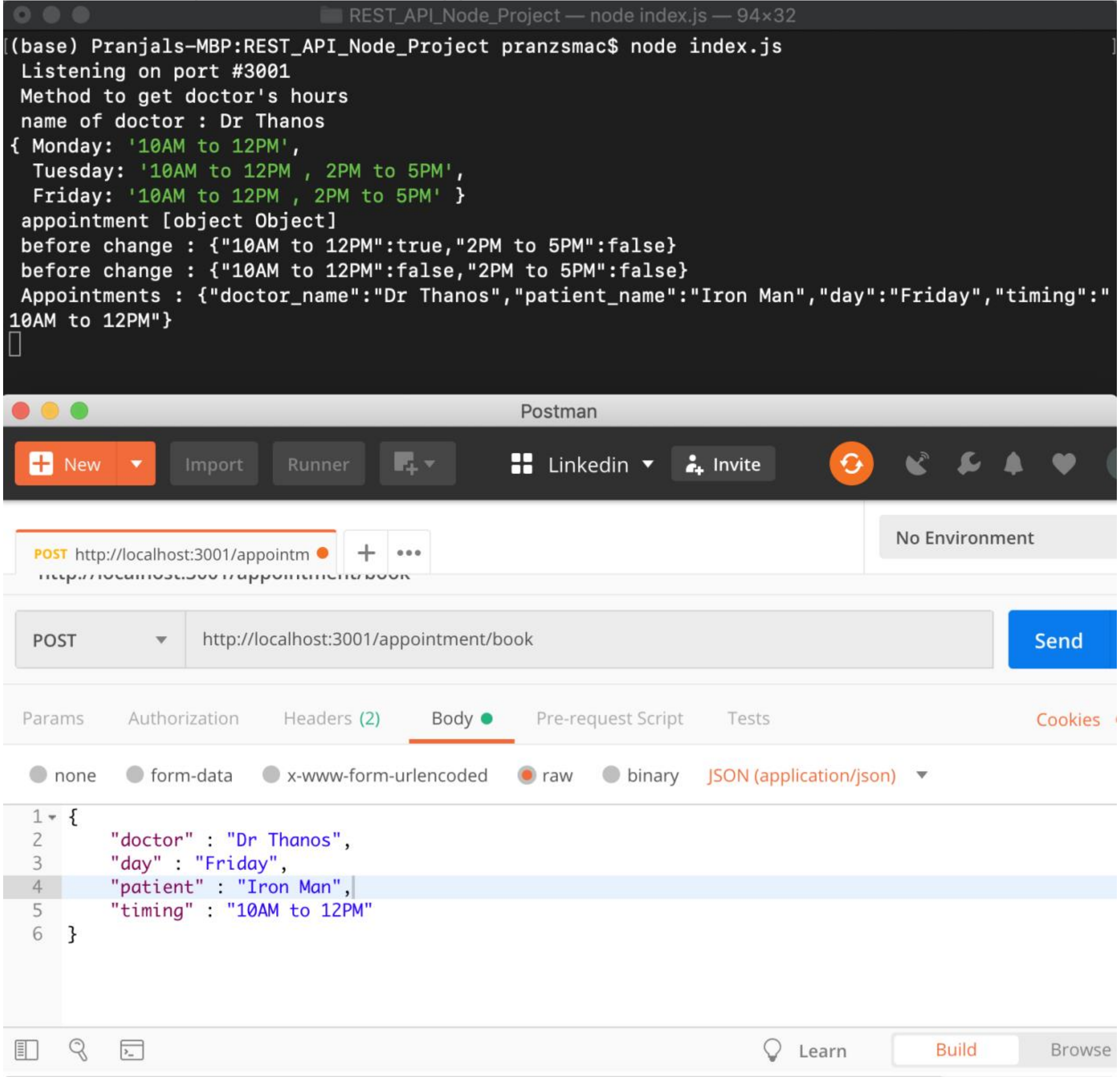
Status: 200 OK Time: 51 ms Size: 412 B

```
{"Monday":"10AM to 12PM","Tuesday":"10AM to 12PM , 2PM to 5PM","Friday":"10AM to 12PM , 2PM to 5PM"}
```

2) Book a doctor opening

The doctor and patient name, day and timing are passed in request body

Call: POST: http://localhost:3001/appointment/book



```
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 Listening on port #3001
 Method to get doctor's hours
 name of doctor : Dr Thanos
{ Monday: '10AM to 12PM',
  Tuesday: '10AM to 12PM , 2PM to 5PM',
  Friday: '10AM to 12PM , 2PM to 5PM' }
 appointment [object Object]
 before change : {"10AM to 12PM":true,"2PM to 5PM":false}
 before change : {"10AM to 12PM":false,"2PM to 5PM":false}
 Appointments : {"doctor_name":"Dr Thanos","patient_name":"Iron Man","day":"Friday","timing":"
10AM to 12PM"}
```
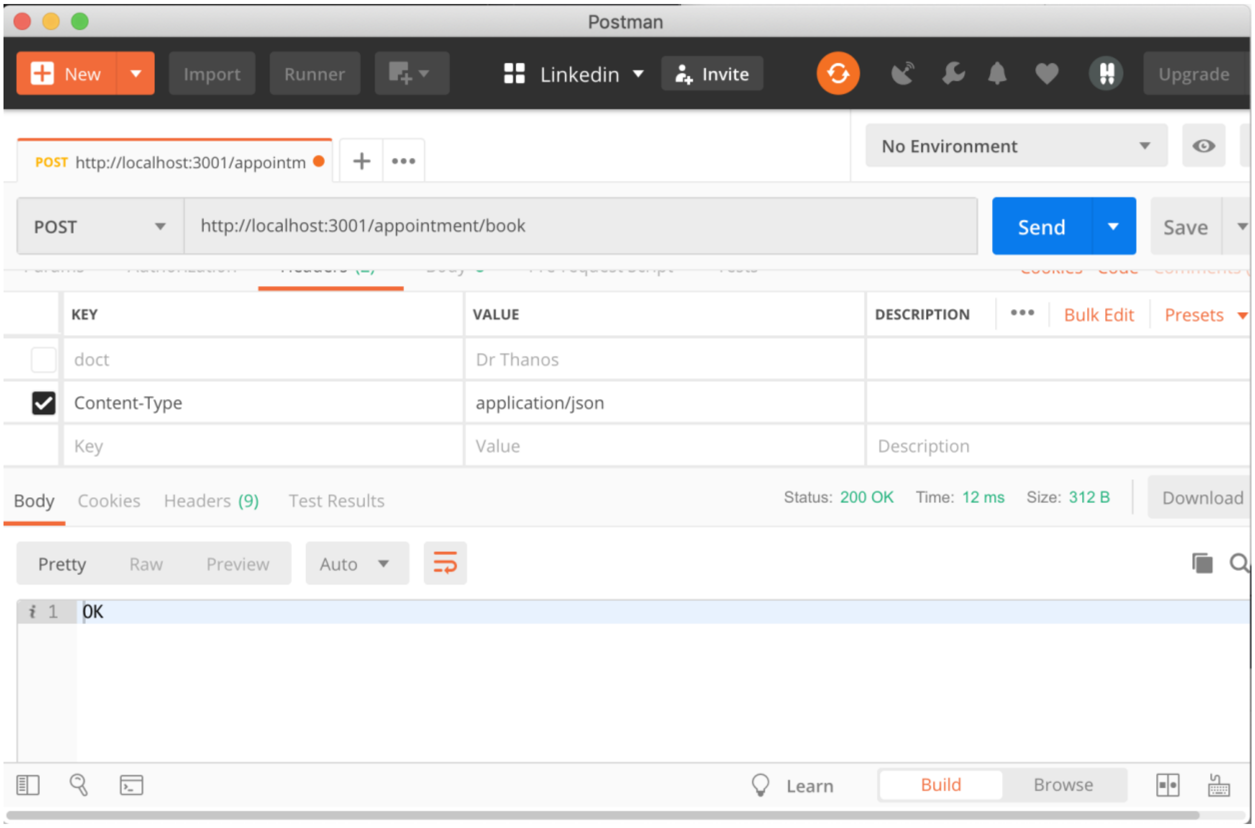

POST http://localhost:3001/appointment/book

Body: ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary JSON (application/json)

```
{
    "doctor" : "Dr Thanos",
    "day" : "Friday",
    "patient" : "Iron Man",
    "timing" : "10AM to 12PM"
}
```

response:



POST http://localhost:3001/appointment/book

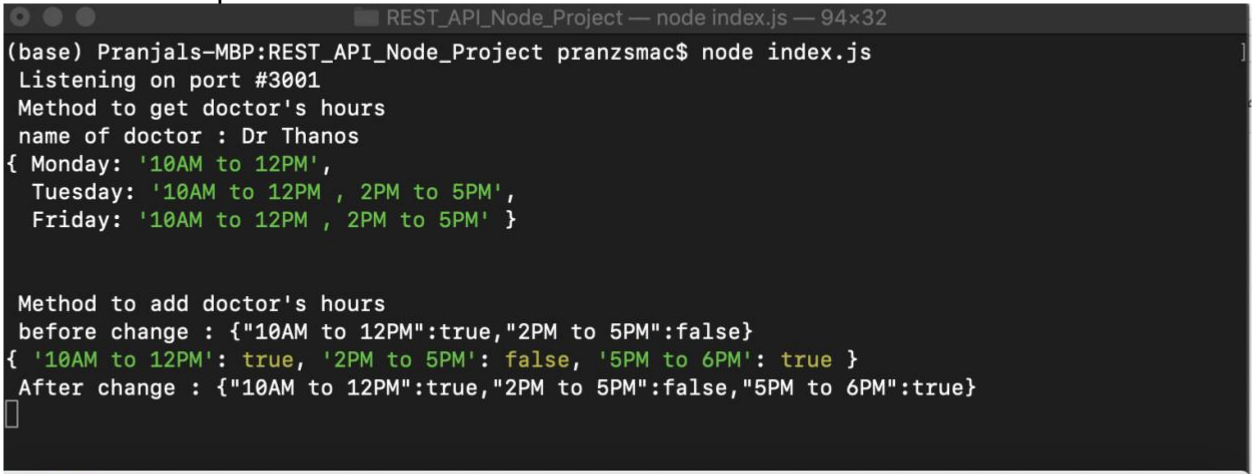
	KEY	VALUE	DESCRIPTION
□	doct	Dr Thanos	
☑	Content-Type	application/json	
	Key	Value	Description

Status: 200 OK Time: 12 ms Size: 312 B

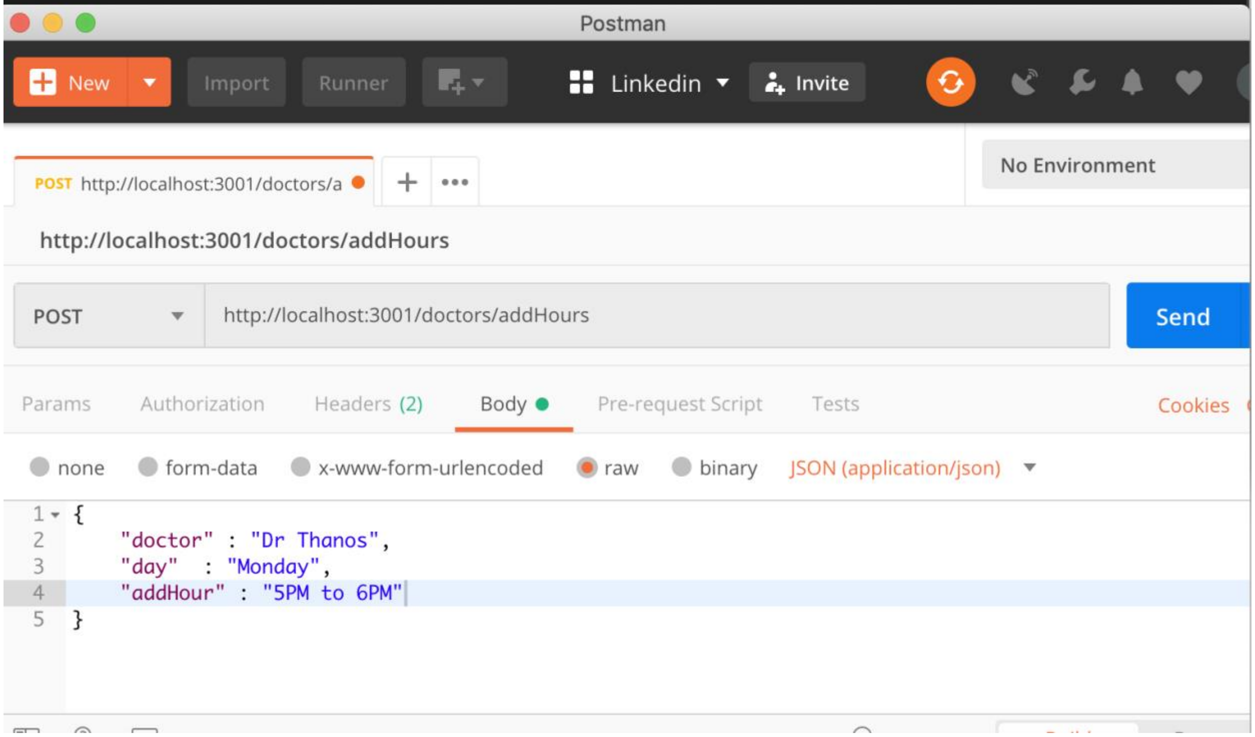
```
OK
```

3) Create and update the list of doctor's working hours
Create hours call:

Call: POST: http://localhost:3001/doctors/addHours



```
(base) Pranjals-MBP:REST_API_Node_Project pranzsmac$ node index.js
 Listening on port #3001
 Method to get doctor's hours
 name of doctor : Dr Thanos
{ Monday: '10AM to 12PM',
  Tuesday: '10AM to 12PM , 2PM to 5PM',
  Friday: '10AM to 12PM , 2PM to 5PM' }


 Method to add doctor's hours
 before change : {"10AM to 12PM":true,"2PM to 5PM":false}
{ '10AM to 12PM': true, '2PM to 5PM': false, '5PM to 6PM': true }
 After change : {"10AM to 12PM":true,"2PM to 5PM":false,"5PM to 6PM":true}
```

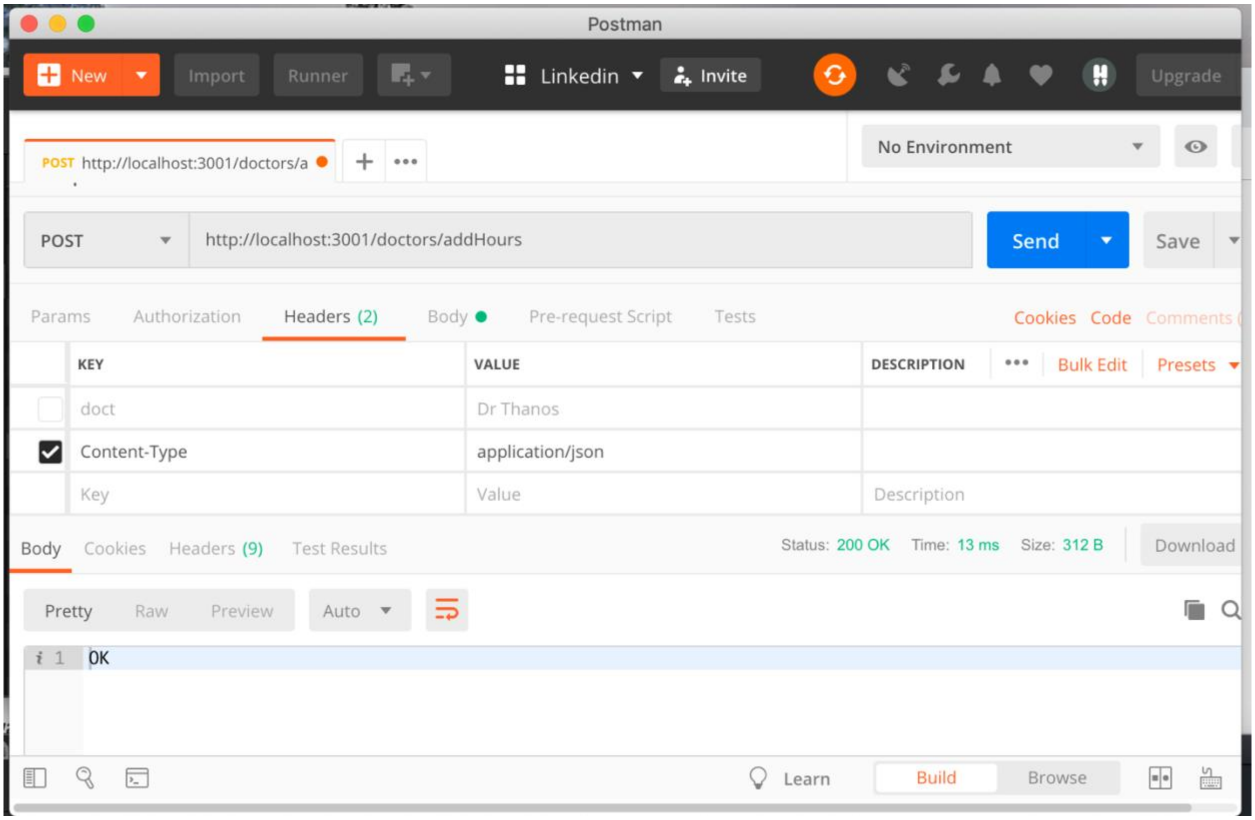


http://localhost:3001/doctors/addHours

POST http://localhost:3001/doctors/addHours

```
{
    "doctor" : "Dr Thanos",
    "day"   : "Monday",
    "addHour" : "5PM to 6PM"
}
```

response:



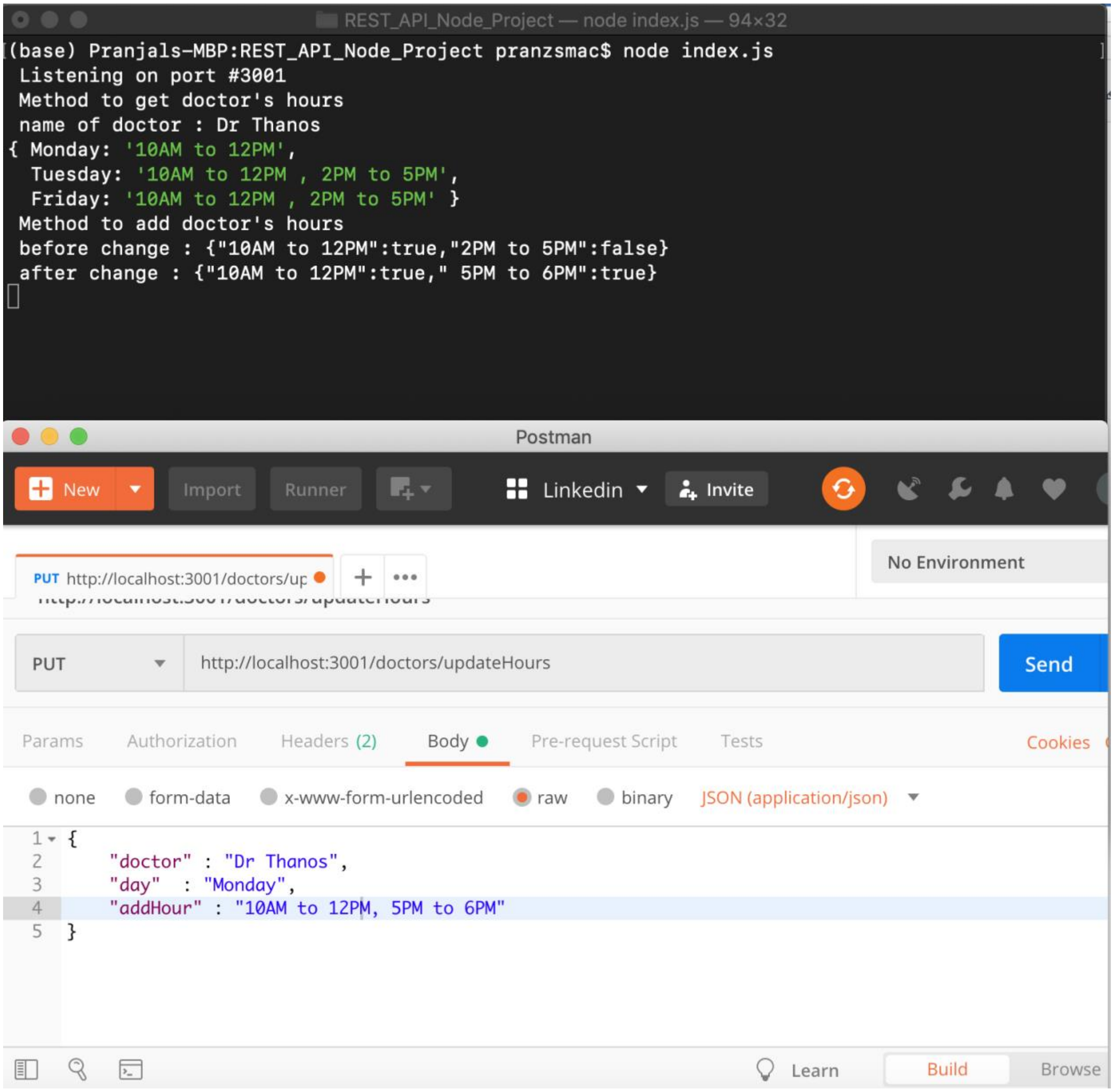
POST http://localhost:3001/doctors/addHours

	KEY	VALUE	DESCRIPTION
□	doct	Dr Thanos	
☑	Content-Type	application/json	
	Key	Value	Description

Status: 200 OK Time: 13 ms Size: 312 B

```
OK
```

Update doctor’s hours:
Call: PUT: http://localhost:3001/doctors/updateHours



```
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 Listening on port #3001
 Method to get doctor's hours
 name of doctor : Dr Thanos
{ Monday: '10AM to 12PM',
  Tuesday: '10AM to 12PM , 2PM to 5PM',
  Friday: '10AM to 12PM , 2PM to 5PM' }
 Method to add doctor's hours
 before change : {"10AM to 12PM":true,"2PM to 5PM":false}
 after change : {"10AM to 12PM":true," 5PM to 6PM":true}
```
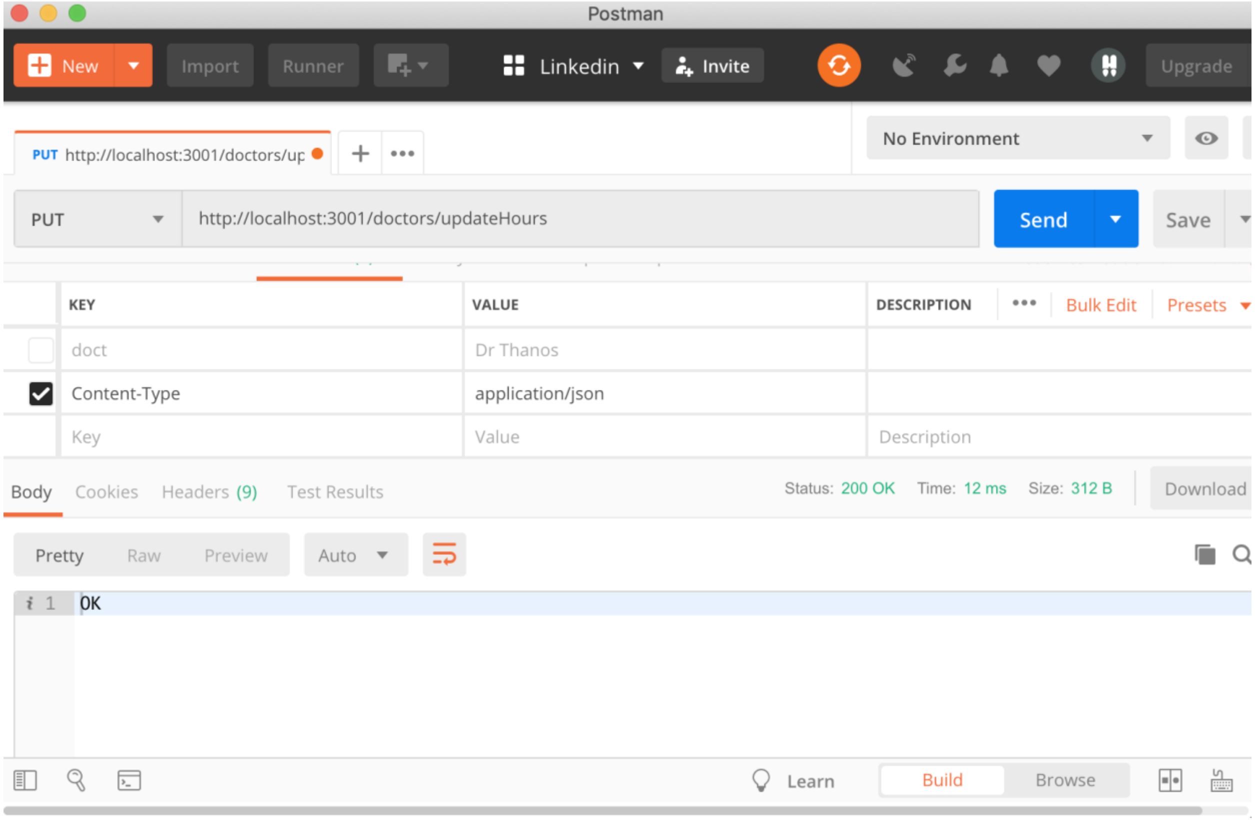

PUT http://localhost:3001/doctors/updateHours

Body: ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary JSON (application/json)

```
{
    "doctor" : "Dr Thanos",
    "day"  : "Monday",
    "addHour" : "10AM to 12PM, 5PM to 6PM"
}
```

response:



PUT http://localhost:3001/doctors/up

PUT http://localhost:3001/doctors/updateHours

	KEY	VALUE	DESCRIPTION
□	doct	Dr Thanos	
☑	Content-Type	application/json	
	Key	Value	Description

Status: 200 OK Time: 12 ms Size: 312 B

```
OK
```