

# Walkthrough with Express

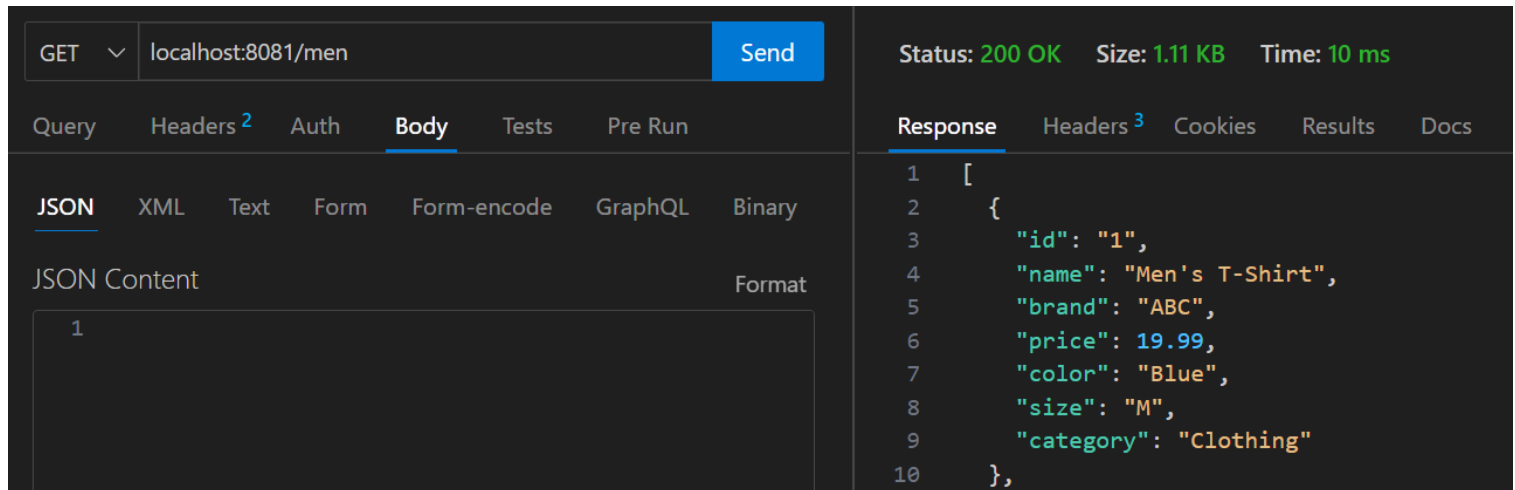
## Assignment



## Q.1 Build a Server Using Http Module NodeJS with api endpoints for Getting Products Data

- `'/'` → send msg as "Welcome to Men & Women Dummy Data"
- `'/men'` → send 10 products data of men
- `'/women'` → send 10 products data of women
- `'/other'` → send response as page not found

**Hint:** You can use any data, send data in json format



The screenshot shows a REST client interface. On the left, the 'Body' tab is selected, showing a 'JSON Content' field with a single line of text '1'. The 'Send' button is highlighted in blue. On the right, the 'Response' tab is selected, showing a status of '200 OK', a size of '1.11 KB', and a time of '10 ms'. The response body is a JSON array with one object representing a product:

```
[
  {
    "id": "1",
    "name": "Men's T-Shirt",
    "brand": "ABC",
    "price": 19.99,
    "color": "Blue",
    "size": "M",
    "category": "Clothing"
  }
]
```

## Q.2 Create a Backend For Counter Web App with Api Endpoint for Managing Counter Using Express

- `'/'` → send counter data as `{counter:counter}`
- `'/increment'` → increment counter by 1 and send in response latest data as `{counter:counter}`
- `'/decrement'` → decrement counter by 1 and send in response latest data as `{counter:counter}`

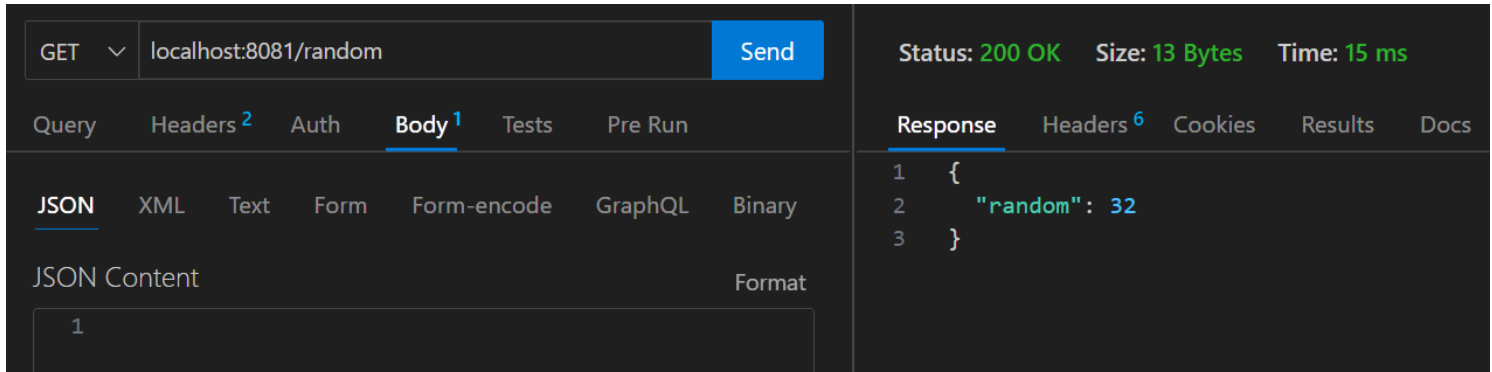
**Note:** Using Express is Mandatory for this Question

## Q.3 Create a Basic Server with Different Routes using Express

- `'/'` → send response as `{msg:'I am homepage'}`
- `'/about'` → send response as `{msg:'I am about page'}`
- `'/contact'` → send response as `{email:'support@pwwskills.com'}`

## Q.4 Build a Server that Generates Random Number Using Express

- `‘/random’` → send random number in response `{random:10}`



The screenshot shows a web client interface with the following details:

- Request:** Method: GET, URL: localhost:8081/random, Status: 200 OK, Size: 13 Bytes, Time: 15 ms.
- Response:** JSON format, showing the body `{ "random": 32 }`.

Tab	Content
Query	
Headers <sup>2</sup>	
Auth	
Body <sup>1</sup>	<p>JSON Content</p> <pre>{   "random": 32 }</pre>
Tests	
Pre Run	
Response	<pre>1 { 2   "random": 32 3 }</pre>
Headers <sup>6</sup>	
Cookies	
Results	
Docs	