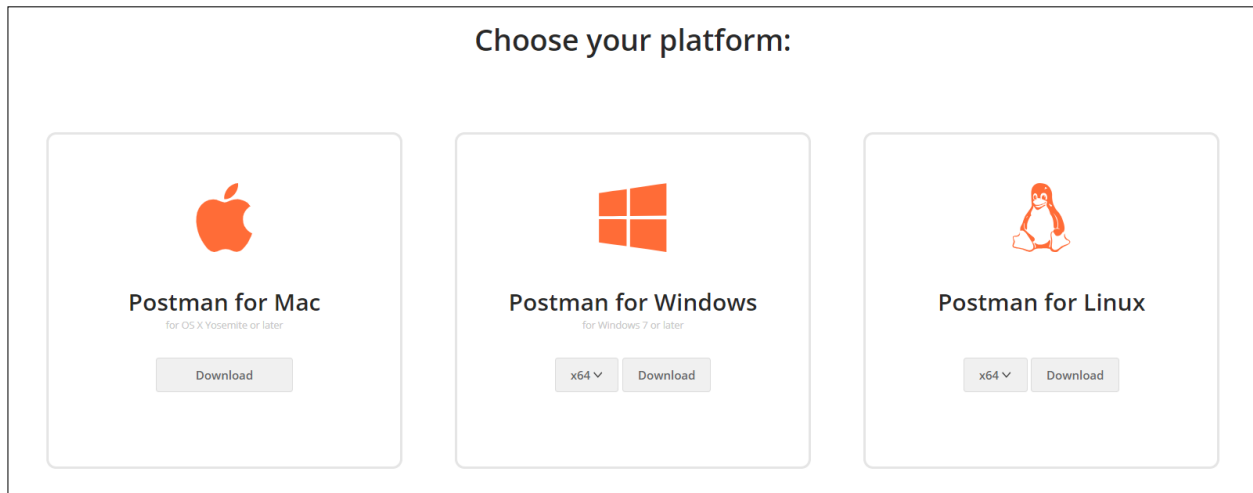


Lab: HTTP Basics

I. Installing Needed Software

1. Postman

You can download Postman from [here](#).



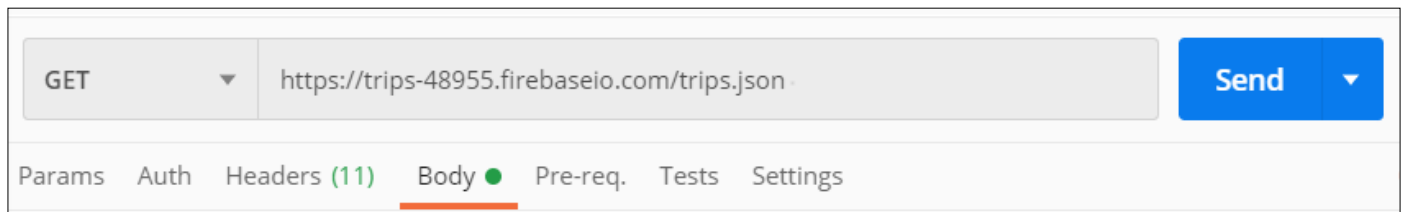
II. Make Basic HTTP Requests

1. Get All Trips

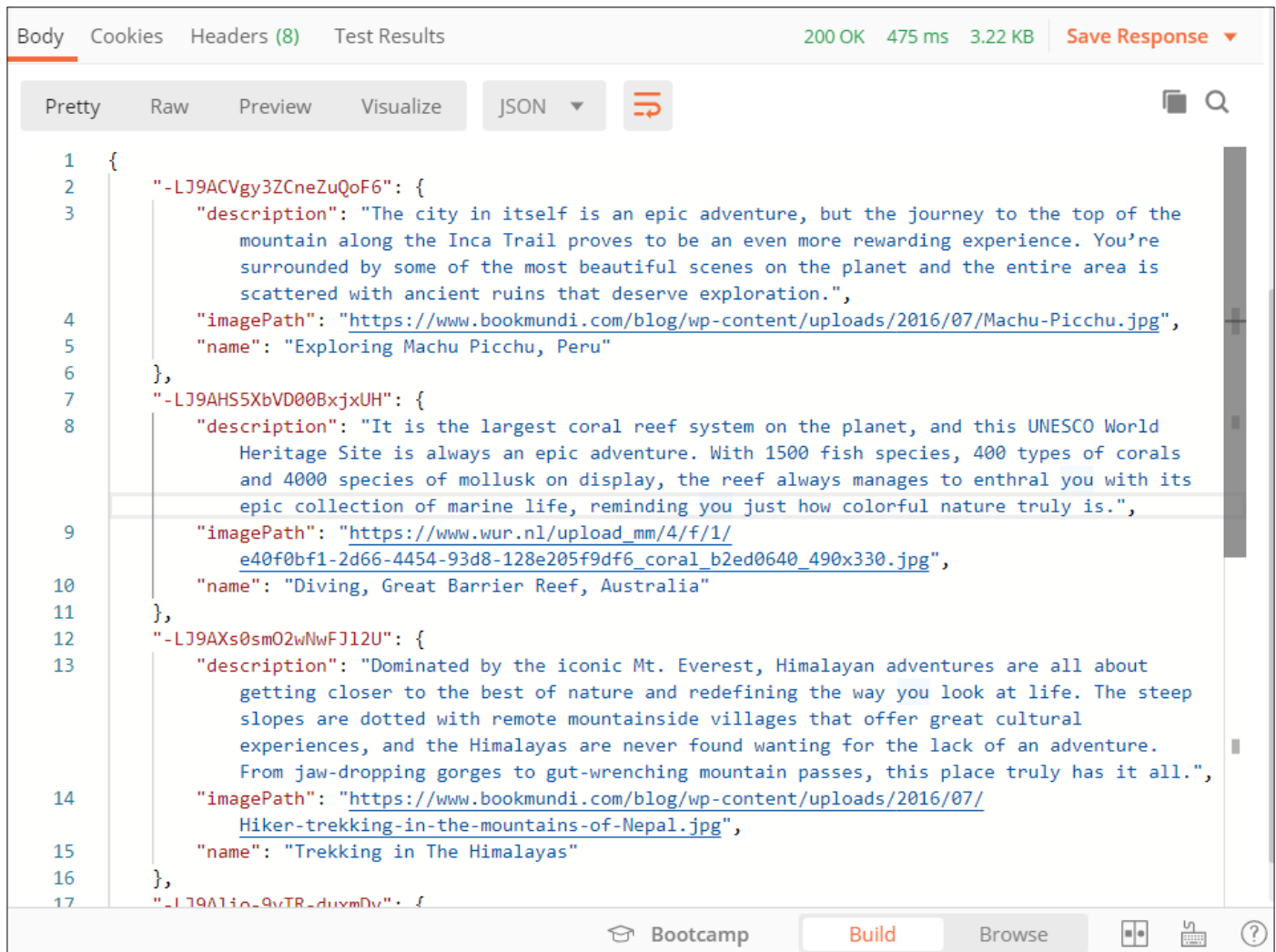
Listing all trips should be easy **with** the following request:

<https://trips-48955.firebaseio.com/trips.json>

Request:



Response:



Body Cookies Headers (8) Test Results 200 OK 475 ms 3.22 KB Save Response ▾

Pretty Raw Preview Visualize JSON ▾

```
1 {
2   "-LJ9ACVgy3ZCneZuQoF6": {
3     "description": "The city in itself is an epic adventure, but the journey to the top of the
4       mountain along the Inca Trail proves to be an even more rewarding experience. You're
5       surrounded by some of the most beautiful scenes on the planet and the entire area is
6       scattered with ancient ruins that deserve exploration.",
7     "imagePath": "https://www.bookmundi.com/blog/wp-content/uploads/2016/07/Machu-Picchu.jpg",
8     "name": "Exploring Machu Picchu, Peru"
9   },
10  "-LJ9AHS5XbVD00BxjxUH": {
11    "description": "It is the largest coral reef system on the planet, and this UNESCO World
12      Heritage Site is always an epic adventure. With 1500 fish species, 400 types of corals
13      and 4000 species of mollusk on display, the reef always manages to enthrall you with its
14      epic collection of marine life, reminding you just how colorful nature truly is.",
15    "imagePath": "https://www.wur.nl/upload_mm/4/f/1/
16      e40f0bf1-2d66-4454-93d8-128e205f9df6_coral_b2ed0640_490x330.jpg",
17    "name": "Diving, Great Barrier Reef, Australia"
18  },
19  "-LJ9AXs0smO2wNwFJl2U": {
20    "description": "Dominated by the iconic Mt. Everest, Himalayan adventures are all about
21      getting closer to the best of nature and redefining the way you look at life. The steep
22      slopes are dotted with remote mountainside villages that offer great cultural
23      experiences, and the Himalayas are never found wanting for the lack of an adventure.
24      From jaw-dropping gorges to gut-wrenching mountain passes, this place truly has it all.",
25    "imagePath": "https://www.bookmundi.com/blog/wp-content/uploads/2016/07/
26      Hiker-trekking-in-the-mountains-of-Nepal.jpg",
27    "name": "Trekking in The Himalayas"
28  },
29  "-LJ9A1io-9vTR-duxmDv": {
```

2. Create New Trip

Let's make a **"POST"** request to add a new destination to our firebase database. Use the following data:

```
{
  "description" : " October-November and February-March are the best times to see the
northern lights. Dark skies yield better displays - avoid full moon. ",
  "imagePath" : "https://www.aurora-nights.co.uk/wp-content/uploads/2019/07/norway-
northern-lights-1500x587_c.jpg",
  "name" : "Capture the Northern Lights on camera"
}
```

Request:

Untitled Request Comments 0

POST ▼ https://trips-48955.firebaseio.com/trips.json Send Save ▼

Params Authorization Headers (11) **Body** Pre-request Script Tests Settings Cookies Code

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL Text ▼

```

1 {
2   "description" : " October-November and February-March are the best times to see the northern lights. Dark skies
3     yield better displays - avoid full moon. ",
4   "imagePath" : "https://www.aurora-nights.co.uk/wp-content/uploads/2019/07/norway-northern-lights-1500x587_c.jpg",
5   "name" : "Capture the Northern Lights on camera"
}
```

Response:

Body Cookies Headers (8) Test Results Status: 200 OK Time: 513 ms Size: 323 B Save Response ▼

Pretty Raw Preview Visualize JSON ▼ ≡

```

1 {
2   "name": "-M7l8t8z-Io57J1ck9bi"
3 }
```

3. Delete a Trip

Now let us **delete** the **newly** created trip.

REQUEST "DELETE": <https://trips-48955.firebaseio.com/trips/{postId}.json>. The **postId** can be found from the JSON response of the **previous** task:

DELETE ▼ https://trips-48955.firebaseio.com/trips/-M7l8t8z-Io57J1ck9bi.json Send Save ▼

Params Auth Headers (9) **Body** Pre-req. Tests Settings Cookies Code

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL Text ▼

The **"DELETE"** request should get us **status 200** and the default response from this database is **null**:

Body Cookies Headers (8) Test Results Status: 200 OK Time: 180 ms Size: 295 B Save Response ▼

Pretty Raw Preview Visualize JSON ▼ ≡

```

1 null
```

Now, when we get all trips, we can notice that the trip **"Capture the Northern Lights on camera"** is not on the list.

4. Edit a Trip

Edit a trip with a **"PATCH"** request.

<https://trips-48955.firebaseio.com/trips/-MIJ0HydEYF0x6fljO55.json>

We will update the: **"Pyramids of Giza, Egypt"** trip by changing the **"description"** and adding the new field **"edit": "true"** using the following body:

```
{
  "description" : "Egypt welcomes you!",
  "imagePath" : "https://www.karacitours.bg/public/thumbs/767x341/egipet/egipet-4_767x341_crop_542eb8694d.jpg",
  "name" : "Pyramids of Giza, Egypt",
  "edit": "true"
}
```

Request:

REST client interface showing a PATCH request to `https://trips-48955.firebaseio.com/trips/-M0jp-lLmBXO6znzZkhq.json`. The request body is a JSON object:

```
1 {
2   "description" : "Egypt welcomes you!",
3   "imagePath" : "https://www.karacitours.bg/public/thumbs/767x341/egipet/egipet-4_767x341_crop_542eb8694d.jpg",
4   "name" : " Pyramids of Giza, Egypt",
5   "edit": "true"
6 }
```

Response:

REST client interface showing the response of the PATCH request. The response is a 200 OK status with a JSON body:

```
1 {
2   "description": "Egypt welcomes you!",
3   "imagePath": "https://www.karacitours.bg/public/thumbs/767x341/egipet/egipet-4_767x341_crop_542eb8694d.jpg",
4   "name": " Pyramids of Giza, Egypt",
5   "edit": "true"
6 }
```