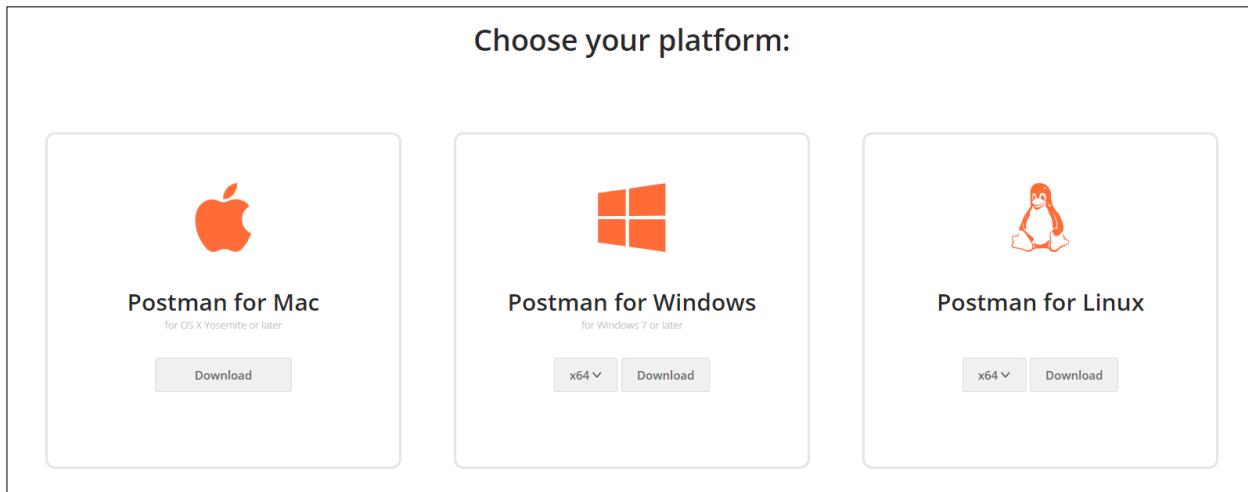


# Lab: HTTP Basics

## 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:

A screenshot of the Postman interface. The request type is "GET" and the URL is "https://trips-48955.firebaseio.com/trips.json". The "Body" tab is selected. At the bottom, there are tabs for Params, Auth, Headers (11), Body, Pre-req., Tests, and Settings.

## 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     "-LJ9AH55XbVD00BxjxUH": {
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     "-LJ9AXs0smO2wNwFJ12U": {
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     "-LJ9A13o-9vTR-duxmDv": {
30     }
31 }
```

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## 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

POST https://trips-48955.firebaseio.com/trips.json

**Body**

```

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

```

## Response:

Status: 200 OK Time: 513 ms Size: 323 B

**Body**

```

1  {
2      "name": "-M7lBt8z-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/-M7lBt8z-Io57J1ck9bi.json

**Body**

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

Status: 200 OK Time: 180 ms Size: 295 B

**Body**

```

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:**

The screenshot shows the Postman application interface. A PATCH request is being made to the URL <https://trips-48955.firebaseio.com/trips/-M0Jp-lLmBXO6znzZkhq.json>. The "Body" tab is selected, showing the JSON update payload. The "Text" option under the media type dropdown is chosen. The JSON content is as follows:

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

**Response:**

The screenshot shows the Postman interface after sending the PATCH request. The status bar indicates a successful 200 OK response with a time of 218 ms and a size of 485 B. The "Pretty" tab is selected in the response view, displaying the updated trip document. The JSON output is:

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