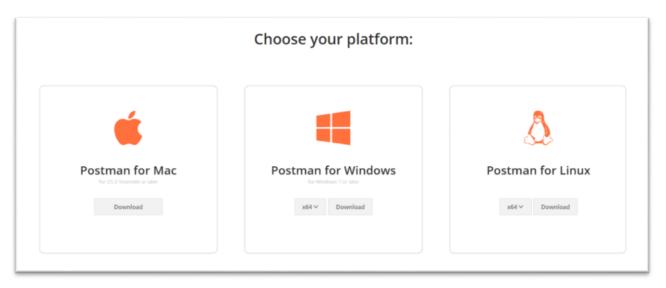
Lab: HTTP BASICS

Problems for in-class lab for the "Programming Fundamentals" course @ SoftUni.

1. Installing Needed Software

2. Postman

You can download Postman from here.



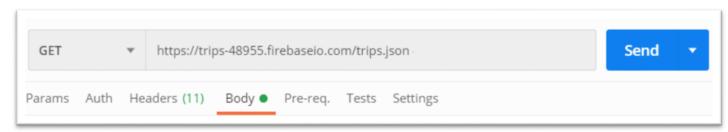
3. Make Basic HTTP Requests

4. Get All Trips

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

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

Request:













Response:

```
200 OK 475 ms 3.22 KB Save Response
Body Cookies Headers (8)
                             Test Results
                                                                                                             Q
                                            ISON
  Pretty
            Raw
                    Preview
                                Visualize
    2
            "-LJ9ACVgy3ZCneZuQoF6": {
    3
                "description": "The city in itself is an epic adventure, but the journey to the top of the
                    mountain along the Inca Trail proves to be an even more rewarding experience. You're
                    surrounded by some of the most beautiful scenes on the planet and the entire area is
                    scattered with ancient ruins that deserve exploration.",
                "imagePath": "https://www.bookmundi.com/blog/wp-content/uploads/2016/07/Machu-Picchu.jpg",
    4
    5
                "name": "Exploring Machu Picchu, Peru"
    6
            "-LJ9AHS5XbVD00BxjxUH": {
    7
    8
                "description": "It is the largest coral reef system on the planet, and this UNESCO World
                    Heritage Site is always an epic adventure. With 1500 fish species, 400 types of corals
                    and 4000 species of mollusk on display, the reef always manages to enthral you with its
                    epic collection of marine life, reminding you just how colorful nature truly is.",
    9
                "imagePath": "https://www.wur.nl/upload_mm/4/f/1/
                    e40f0bf1-2d66-4454-93d8-128e205f9df6_coral_b2ed0640_490x330.jpg",
   10
                "name": "Diving, Great Barrier Reef, Australia"
   11
   12
             -LJ9AXs0smO2wNwFJ12U": {
   13
                 "description": "Dominated by the iconic Mt. Everest, Himalayan adventures are all about
                    getting closer to the best of nature and redefining the way you look at life. The steep
                    slopes are dotted with remote mountainside villages that offer great cultural
                    experiences, and the Himalayas are never found wanting for the lack of an adventure.
                    From jaw-dropping gorges to gut-wrenching mountain passes, this place truly has it all.",
   14
                "imagePath": "https://www.bookmundi.com/blog/wp-content/uploads/2016/07/
                    Hiker-trekking-in-the-mountains-of-Nepal.jpg",
                "name": "Trekking in The Himalayas"
   15
   16
            "-179Alio-9vTR-duvmDv". [
                                                                                                      = 0
                                                                             Build
                                                                                         Browse

→ Bootcamp
```

5. 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/norwaynorthern-lights-1500x587_c.jpg",

```
"name" : "Capture the Northern Lights on camera"
```

Request:

}







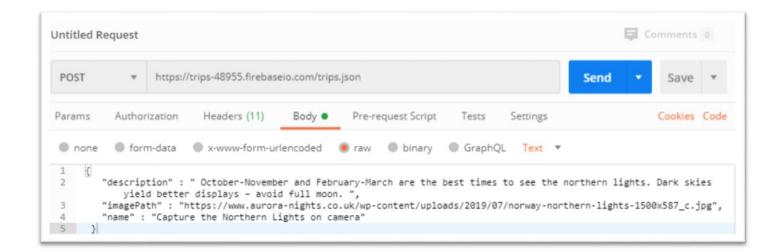




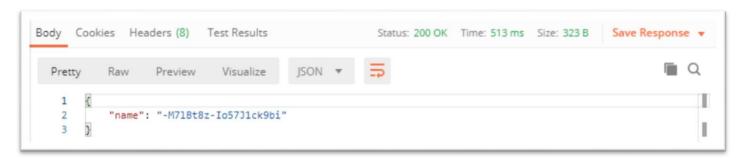








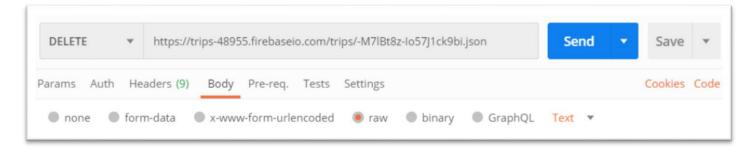
Response:



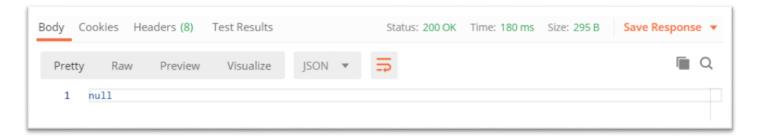
6. Delete a Trip

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:



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













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

7. Edit a Trip

Edit a trip with a "PATCH" request.

https://trips-48955.firebaseio.com/trips/-MIJOHydEYF0x6fljO55.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:

```
Send
 PATCH
                   https://trips-48955.firebaseio.com/trips/-M0Jp-lLmBXO6znzZkhq.json
                                                                                                      Save
                             Body • Pre-req. Tests Settings
                                                                                                    Cookies Code
Params Auth Headers (11)
 none
           form-data
                         x-www-form-urlencoded naw
                                                            binary
                                                                       GraphQL
                                                                                    Text ▼
 1
     {
         "description" : "Egypt welcomes you!",
         "imagePath" : "https://www.karacitours.bg/public/thumbs/767x341/egipet/egipet-4_767x341_crop_542eb8694d
 3
         .jpg",
"name" : " Pyramids of Giza, Egypt",
4
          'edit": "true'
 5
 6
```

Response:

