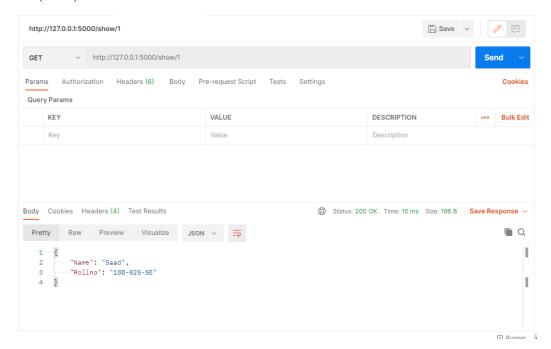
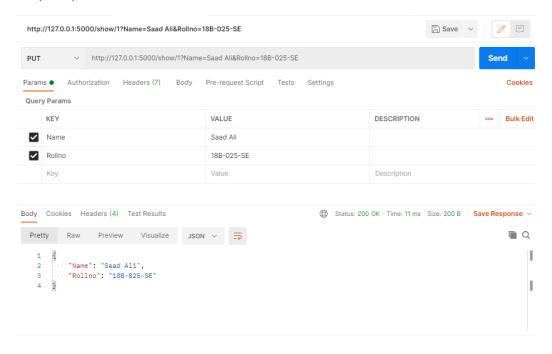
LAB: 07

```
from flask import Flask
from flask restful import Api, Resource, reqparse, abort
app = Flask( name )
api = Api(app)
std put = reqparse.RequestParser()
std put.add argument("Name", type=str)
std put.add argument("Rollno", type=str)
students = {1 : {"Name" : "Akram", "Rollno" : "18B-030-SE"},
            2 : {"Name" : "Agha", "Rollno" : "18B-080-SE"},
            3 : {"Name" : "Muqarib", "Rollno" : "18B-081-SE"},
           4 : {"Name" : "Mansoor", "Rollno" : "18B-040-SE"},
            5 : {"Name" : "Azeem", "Rollno" : "18B-029-SE"},
def notFound(std id):
   if std id not in students:
        abort(404, message="Student id not found!")
class std(Resource):
   def get(self, std id):
       notFound(std id)
       return students[std id]
   def put(self,std id):
       newStd = std put.parse args()
       students[std id] = newStd
       return students[std id]
   def delete(self, std id):
       del students[std id]
       return '', 204
api.add resource(std, "/show/<int:std id>") # represent route
if name == ' main ':
   app.run(debug=True)
```

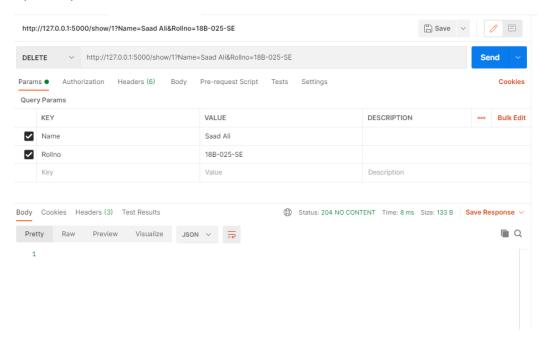
METHOD (GET):



METHOD (PUT):



METHOD (DELETE):



SERVER RESPONSE:

```
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.

* Debug mode: on

* Restarting with stat

* Debugger is active!

* Debugger PiN: 275-956-227

* Running on http://127.0.0.1:5090/ (Press CTRL+C to quit)
127.0.0.1 - [06/Feb/2021 21:49:18] "GET / HTTP/1.1" 404 -
127.0.0.1 - [06/Feb/2021 21:49:22] "GET /show HTTP/1.1" 404 -
127.0.0.1 - [06/Feb/2021 21:49:22] "GET /show HTTP/1.1" 200 -
127.0.0.1 - [06/Feb/2021 21:57:53] "GET / HTTP/1.1" 404 -
127.0.0.1 - [06/Feb/2021 21:55:53] "GET /show/1 HTTP/1.1" 200 -
127.0.0.1 - [06/Feb/2021 21:55:25] "GET /show/1 HTTP/1.1" 200 -
127.0.0.1 - [06/Feb/2021 21:55:25] "GET /show/1 HTTP/1.1" 200 -
127.0.0.1 - [06/Feb/2021 21:55:25] "GET /show/3 HTTP/1.1" 200 -
127.0.0.1 - [06/Feb/2021 21:55:25] "GET /show/3 HTTP/1.1" 200 -
127.0.0.1 - [06/Feb/2021 21:55:25] "GET /show/3 HTTP/1.1" 200 -

* Detected change in 'C:\\Users\\Saad\\Downloads\\index.py', reloading

* Restarting with stat

* Debugger PIN: 275-956-227

* Running on http://127.0.0.1:5090/ (Press CTRL+C to quit)
127.0.0.1 - [06/Feb/2021 22:01:58] "GET / HTTP/1.1" 404 -
127.0.0.1 - [06/Feb/2021 22:01:58] "GET /show/4 HTTP/1.1" 200 -
127.0.0.1 - [06/Feb/2021 22:01:58] "GET /show/4 HTTP/1.1" 200 -
127.0.0.1 - [06/Feb/2021 22:01:58] "GET /show/4 HTTP/1.1" 200 -
127.0.0.1 - [06/Feb/2021 22:01:58] "GET /show/1*Name=Saad%20Ali&Rollno=188-025-SE HTTP/1.1" 200 -
127.0.0.1 - [06/Feb/2021 22:15:18] "PUT /show/1*Name=Saad%20Ali&Rollno=188-025-SE HTTP/1.1" 204 -
127.0.0.1 - [06/Feb/2021 22:15:19] "DELETE /show/1*Name=Saad%20Ali&Rollno=180-025-SE HTTP/1.1" 204 -
127.0.0.1 - [06/Feb/2021 22:15:10] "DELETE /show/1*Name=Saad%20Ali&Rollno=180-025-SE HTTP/1.1" 204 -
127.0.0.1 - [06/Feb/2021 22:15:10] "DELETE /show/1*Name=Saad%20Ali&Rollno=180-025-SE HTTP/1.1" 204 -
127.0.0.1 - [06/Feb/2021 22:15:10] "DELETE /show/1*Name=Saad%20Ali&Rollno=180-025-SE HTTP/1.1" 204 -
127.0.0.1 - [06/Feb/2021 22:15:10] "DELETE /show/1*Name=Saad%20Ali&Rollno=180-025-SE HTT
```