

1. Test dbs()

GET http://127.0.0.1:5002/api/databases

Send Save

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies Code

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (4) Test Results Status: 200 OK Time: 51ms Size: 368 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 [
2   {
3     "Database": "information_schema"
4   },
5   {
6     "Database": "lahman2019clean"
7   },
8   {
9     "Database": "mysql"
10  },
11  {
12    "Database": "newdbbook"
13  },
14  {
15    "Database": "performance_schema"
16  },
17  {
18    "Database": "sys"
19  },
20  {
21    "Database": "Test"
22  },
23  {
24    "Database": "w4111"
25  }
26 ]
```

From above, we can see the all the databses shown in the body response.

2. Test tbls()

GET http://127.0.0.1:5002/api/databases/lahman2019clean Send Save

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies Code

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body Cookies Headers (4) Test Results Status: 200 OK Time: 23ms Size: 1.49 KB Save Response

Pretty Raw Preview Visualize BETA JSON ≡

```

1  {
2    {
3      "Tables_in_lahman2019clean": "allstarfull"
4    },
5    {
6      "Tables_in_lahman2019clean": "appearances"
7    },
8    {
9      "Tables_in_lahman2019clean": "averageheight"
10   },
11   {
12     "Tables_in_lahman2019clean": "averageheightweight"
13   },
14   {
15     "Tables_in_lahman2019clean": "awardsmanagers"
16   },
17   {
18     "Tables_in_lahman2019clean": "awardsplayers"
19   },
20   {
21     "Tables_in_lahman2019clean": "awardssharemanagers"
22   },
23   {
24     "Tables_in_lahman2019clean": "awardsshareplayers"
25   },
26 }

```

From above we can see all tables return when we call `tbls()`.

3. Test `resource_by_id(dbname, resource, primary_key)`:

```
@application.route('/api/<dbname>/<resource>/<primary_key>', methods=['GET'])
```

Individually test **Get** by primary key via Postman:

GET http://127.0.0.1:5002/api/lahman2019clean/people/dff21 Send Save

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (4) Test Results Status: 200 OK Time: 11ms Size: 638 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "playerID": "dff21",
3   "birthYear": null,
4   "birthMonth": null,
5   "birthDay": null,
6   "birthCountry": null,
7   "birthState": null,
8   "birthCity": null,
9   "deathYear": null,
10  "deathMonth": null,
11  "deathDay": null,
12  "deathCountry": null,
13  "deathState": null,
14  "deathCity": null,
15  "nameFirst": "Donald",
16  "nameLast": "Ferguson",
17  "nameGiven": null,
18  "weight": null,
19  "height": null,
20  "bats": null,
21  "throws": null,
22  "debut": null,
23  "finalGame": null,
24  "retroID": null,
25  "bbrefID": null,
26  "birthDate": null,
27  "deathDate": null
28 }
```

Through the result above, we know that there is a record with primary key: dff21, nameFirst = Ferguson, nameLast=Donald.

GET http://127.0.0.1:5002/api/lahman2019clean/people/dff2 Send Save

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

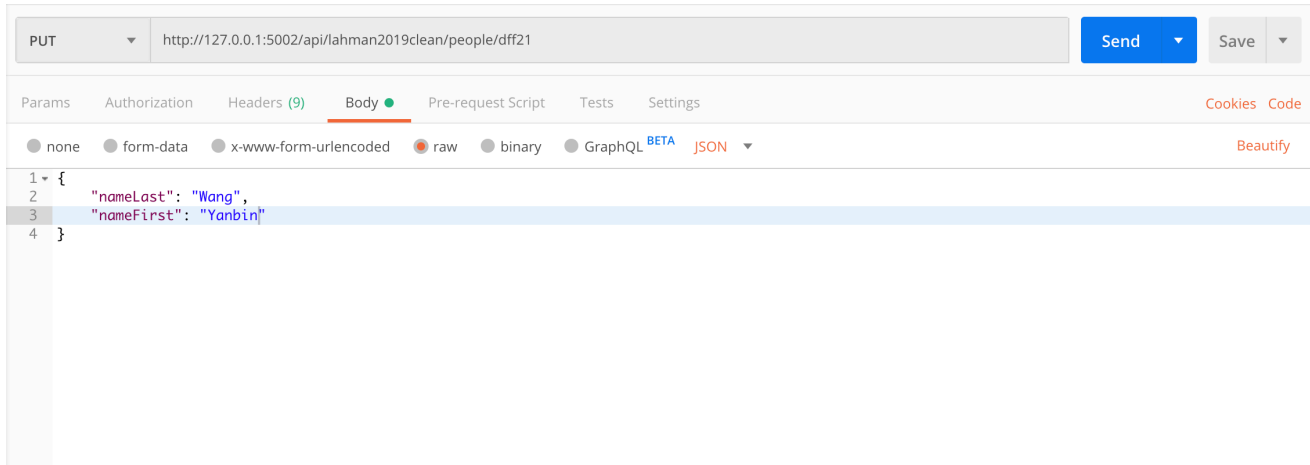
Body Cookies Headers (4) Test Results Status: 200 OK Time: 34ms Size: 149 B Save Response

Pretty Raw Preview Visualize BETA JSON

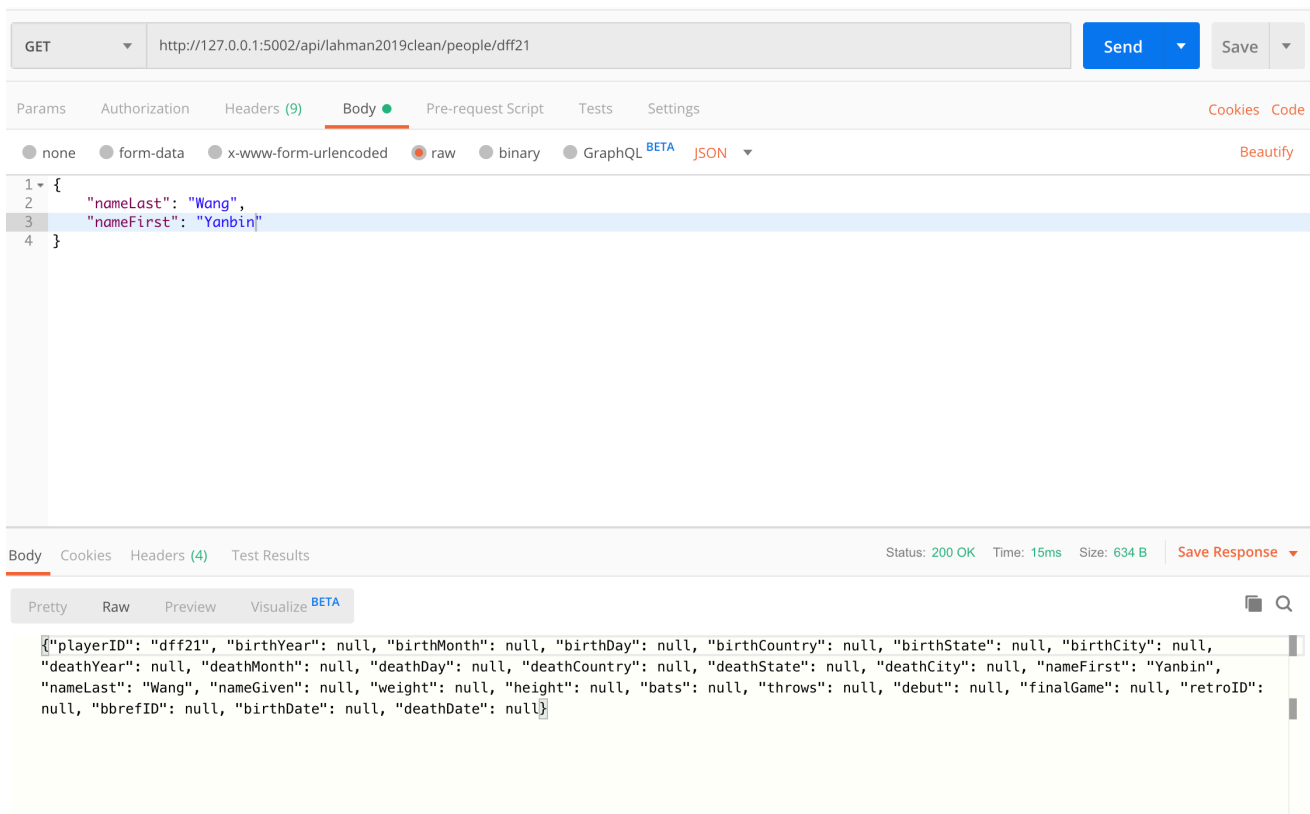
```
1 null
```

```
@application.route('/api/<dbname>/<resource>/<primary_key>', methods=['PUT'])
```

We use **Put** by primary key to update the record with primary key dff21 with new nameFirst and nameLast:



We call **Get** by primary key again, the body returned show that the nameFirst and nameLast has been updated.



```
@application.route('/api/<dbname>/<resource>/<primary_key>', methods=['DELETE'])
```

Now we use **Delete** method to remove the newly added record by primary key.

DELETE http://127.0.0.1:5002/api/lahman2019clean/people/dff21 Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body Cookies Headers (4) Test Results Status: 200 OK Time: 27ms Size: 146 B Save Response

Pretty Raw Preview Visualize BETA

```
1
```

We call **Get** by primary key again to see if the new record has been removed, and YES!

GET http://127.0.0.1:5002/api/lahman2019clean/people/dff21 Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body Cookies Headers (4) Test Results Status: 200 OK Time: 13ms Size: 149 B Save Response

Pretty Raw Preview Visualize BETA

```
null
```

4. Test get_resource(dbname, resource_name):

```
@application.route('/api/<dbname>/<resource_name>', methods=['POST'])
```

Test POST via Postman:

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POST http://127.0.0.1:5002/api/lah... GET http://127.0.0.1:5002/api/lahma... GET 127.0.0.1:5002/api/lahman2019... + ... No Environment

Untitled Request

Comments (0)

GET 127.0.0.1:5002/api/lahman2019clean/people?nameLast=Williams&birthCity=San Diego&fields=playerID,nameLast,nameFirst,birthCity,birthState,birthYear Send Save

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies Code

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> nameLast	Williams			
<input checked="" type="checkbox"/> birthCity	San Diego			
<input checked="" type="checkbox"/> fields	playerID,nameLast,nameFirst,birthCity,birthState,birthYear			
Key	Value	Description		

Body Cookies Headers (4) Test Results Status: 200 OK Time: 214ms Size: 426 B Save Response

Pretty Raw Preview Visualize BETA JSON 🔍

```
1 [
2   {
3     "playerID": "willite01",
4     "nameLast": "Williams",
5     "nameFirst": "Ted",
6     "birthCity": "San Diego",
7     "birthState": "CA",
8     "birthYear": "1918"
9   },
10  {
11    "playerID": "willitr01",
12    "nameLast": "Williams",
13    "nameFirst": "Trevor",
14    "birthCity": "San Diego",
15    "birthState": "CA",
16    "birthYear": "1992"
17  }
18 ]
```

```
@application.route('/api/<dbname>/<resource_name>', methods=['GET'])
```

After the POST, we can use this GET to test whether or not the POST worked:

POST http://127.0.0.1:5002/a... GET http://127.0.0.1:5002/api... GET 127.0.0.1:5002/api/lahm... GET 127.0.0.1:5002/api/lahm... No Environment

Untitled Request

GET 127.0.0.1:5002/api/lahman2019clean/people/dff21?fields=playerID,nameLast,nameFirst,height

Send Save

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies Code

Query Params

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> fields	playerID,nameLast,nameFirst,height	
Key	Value	Description

Body Cookies Headers (4) Test Results Status: 200 OK Time: 34ms Size: 230 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "playerID": "dff21",
3   "nameLast": "Ferguson",
4   "nameFirst": "Donald",
5   "height": null
6 }
```

Individually test this GET (the same as true result indicated in piazza @463):

GET 127.0.0.1:5002/api/lahman2019clean/people?nameLast=Williams&birthCity=San Diego&fields=playerID,nameLast,nameFirst,birthCity,birthState,birthYear

Send Save

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies Code

Query Params

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> nameLast	Williams	
<input checked="" type="checkbox"/> birthCity	San Diego	
<input checked="" type="checkbox"/> fields	playerID,nameLast,nameFirst,birthCity,birthState,birthYear	
Key	Value	Description

Body Cookies Headers (4) Test Results Status: 200 OK Time: 214ms Size: 426 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 [
2   {
3     "playerID": "willite01",
4     "nameLast": "Williams",
5     "nameFirst": "Ted",
6     "birthCity": "San Diego",
7     "birthState": "CA",
8     "birthYear": "1918"
9   },
10  {
11    "playerID": "willitr01",
12    "nameLast": "Williams",
13    "nameFirst": "Trevor",
14    "birthCity": "San Diego",
15    "birthState": "CA",
16    "birthYear": "1992"
17  }
18 ]
```