Advanced Software Engineering
University of Pisa
Homework 1
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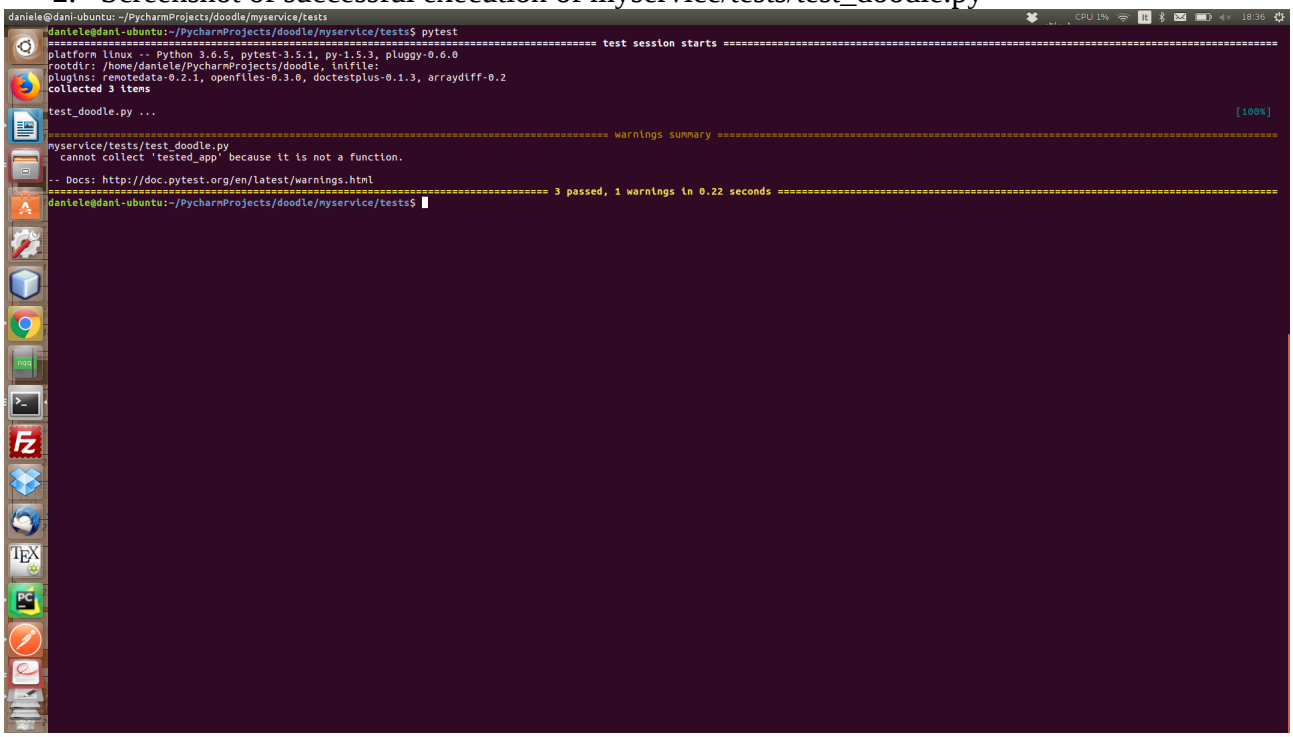
1. Link to the Github Repository:
   https://github.com/DanyEle/ase-lab-18/tree/master/hw-1/doodle

2. Screenshot of successful execution of myservice/tests/test_doodle.py

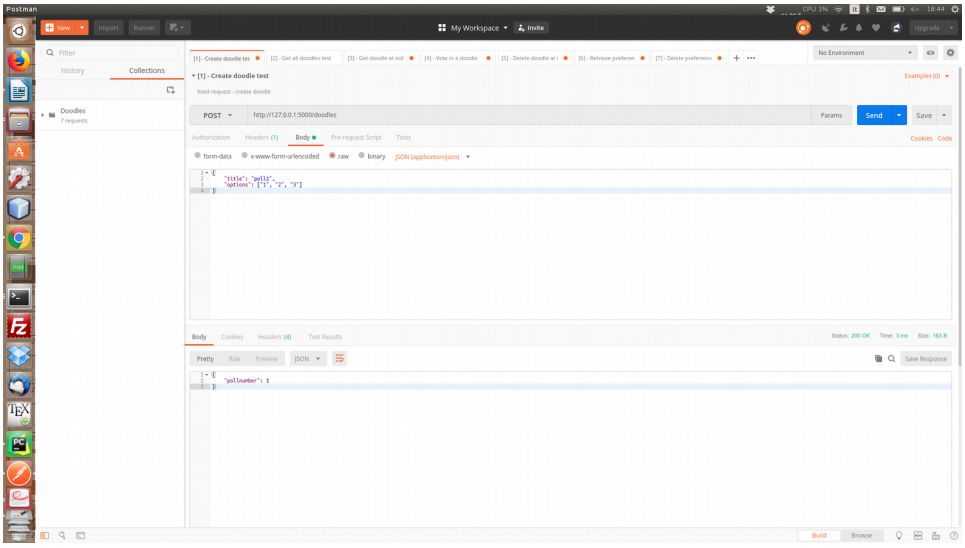


All tests have been passed, even though one warning has been generated.

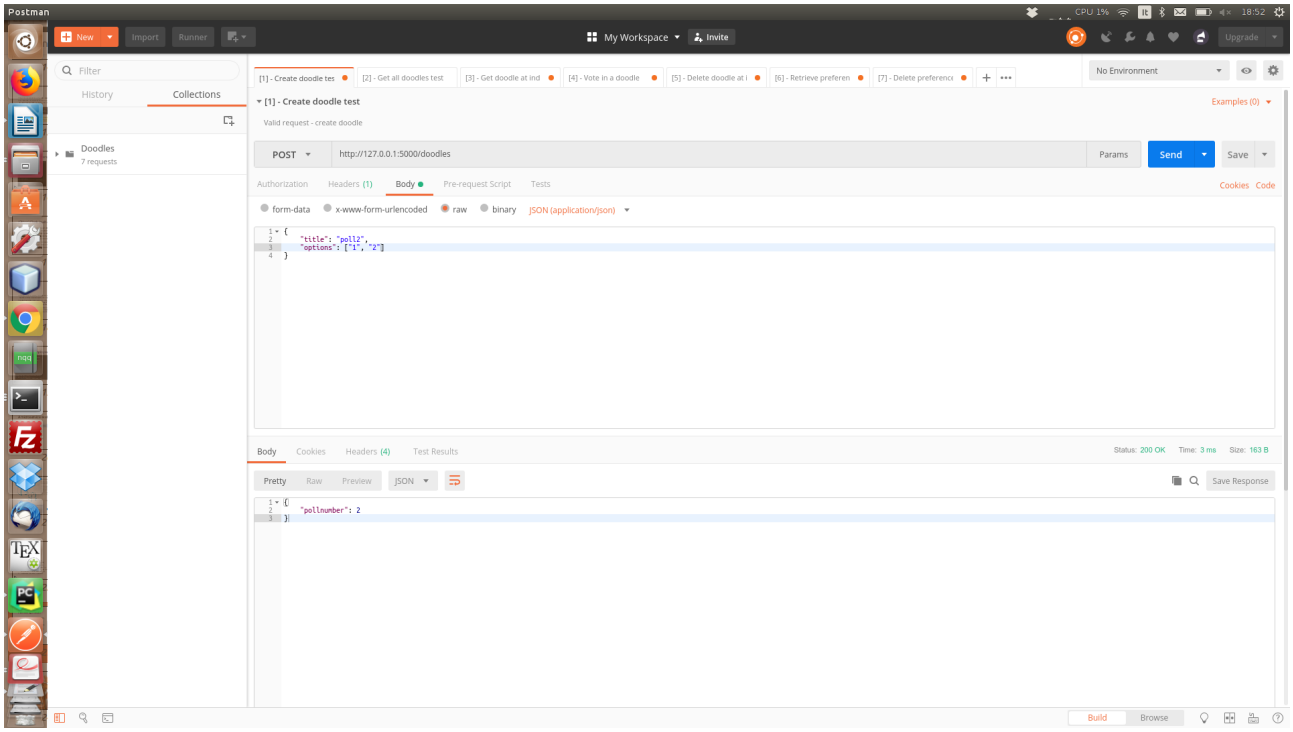
Further details:
In my code, I added a few more cases throwing (400) client errors in case the input provided does not fit the expected type (for example: if a string is expected, but a data structure that cannot be parsed as a string is passed).

3. Screenshots of the tests performed with Postman for all above operations:

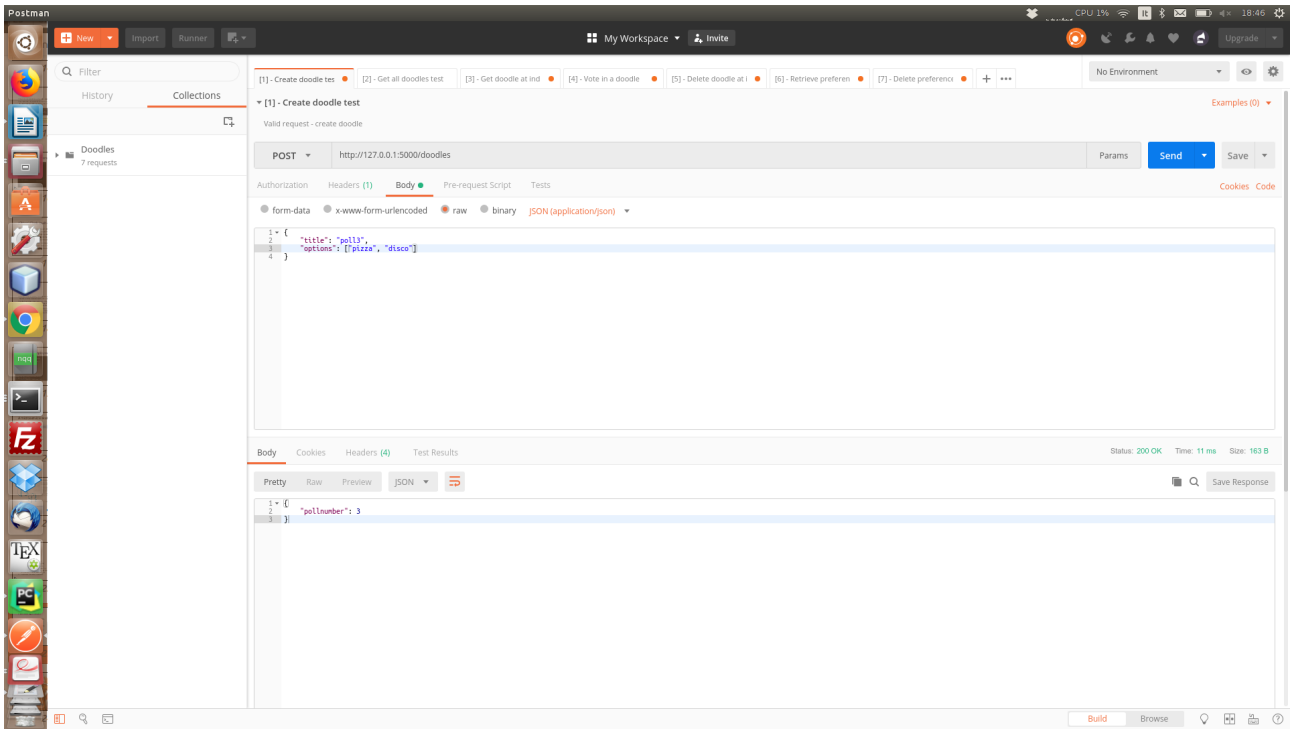
[**Test 1 – Create Doodle test and get doodle**]
1) Create doodle



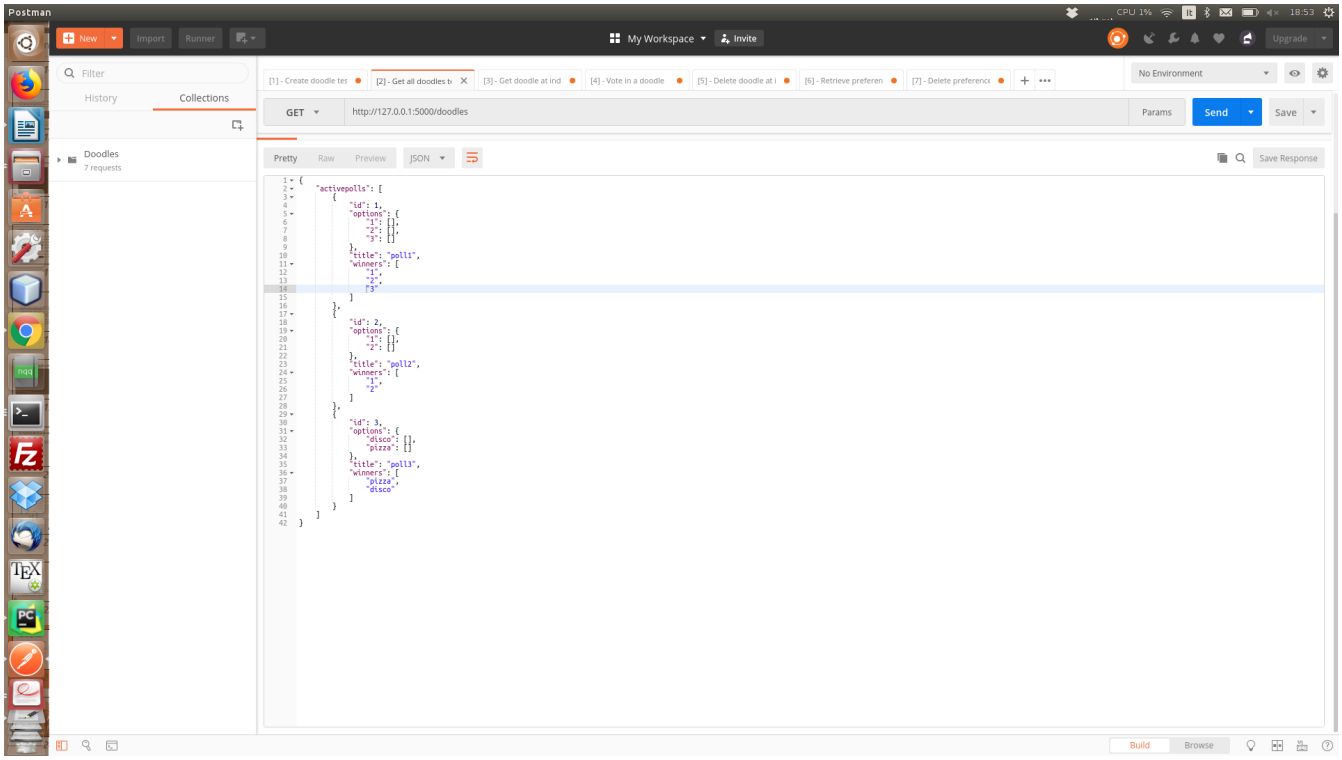
2)


Postman
New
Import
Runner
My Workspace
Invite
Upgrade
Filter
History
Collections
Doodles
7 requests
[1] - Create doodle test
Valid request - create doodle
POST
http://127.0.0.1:5000/doodles
Params
Send
Save
Authorization
Headers (1)
Body
Pre-request Script
Tests
Cookies
Code
form-data
x-www-form-urlencoded
raw
binary
JSON (application/json)
{
"title": "poll2",
"options": ["1", "2"]
}
Body
Cookies
Headers (4)
Test Results
Status: 200 OK
Time: 3 ms
Size: 163 B
Pretty
Raw
Preview
JSON
Save Response
{
"pollnumber": 2
}
Build
Browse

3)

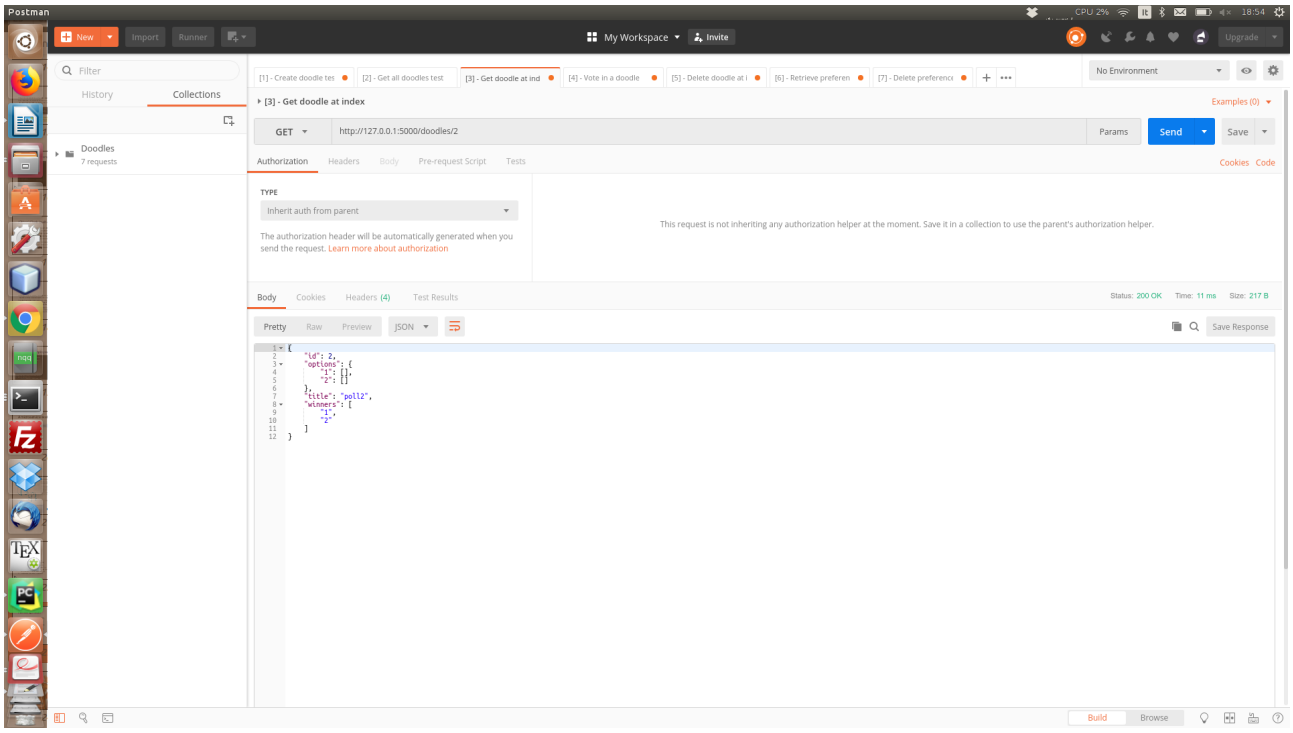

Postman
New
Import
Runner
My Workspace
Invite
Upgrade
Filter
History
Collections
Doodles
7 requests
[1] - Create doodle test
Valid request - create doodle
POST
http://127.0.0.1:5000/doodles
Params
Send
Save
Authorization
Headers (1)
Body
Pre-request Script
Tests
Cookies
Code
form-data
x-www-form-urlencoded
raw
binary
JSON (application/json)
{
"title": "poll3",
"options": ["pizza", "disco"]
}
Body
Cookies
Headers (4)
Test Results
Status: 200 OK
Time: 11 ms
Size: 163 B
Pretty
Raw
Preview
JSON
Save Response
{
"pollnumber": 3
}
Build
Browse

4) Get all doodles

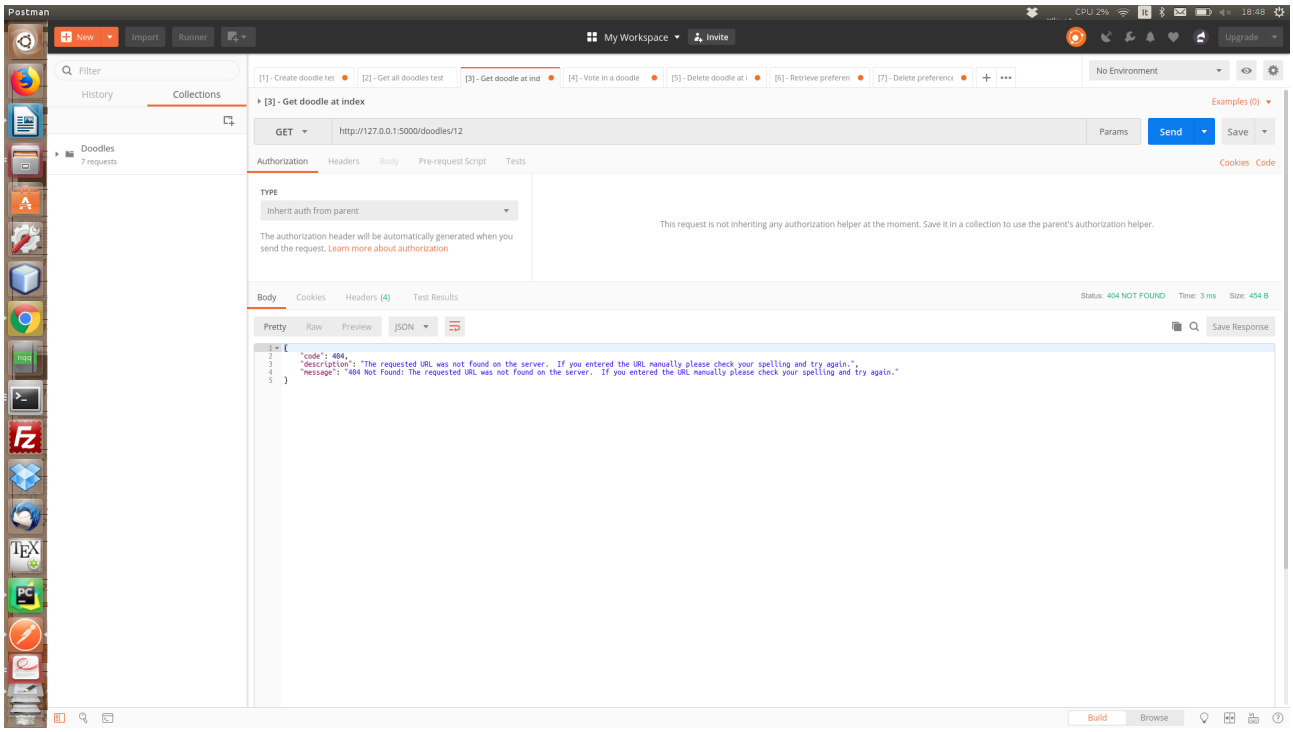


[**Test 2 – retrieve single doodle**]

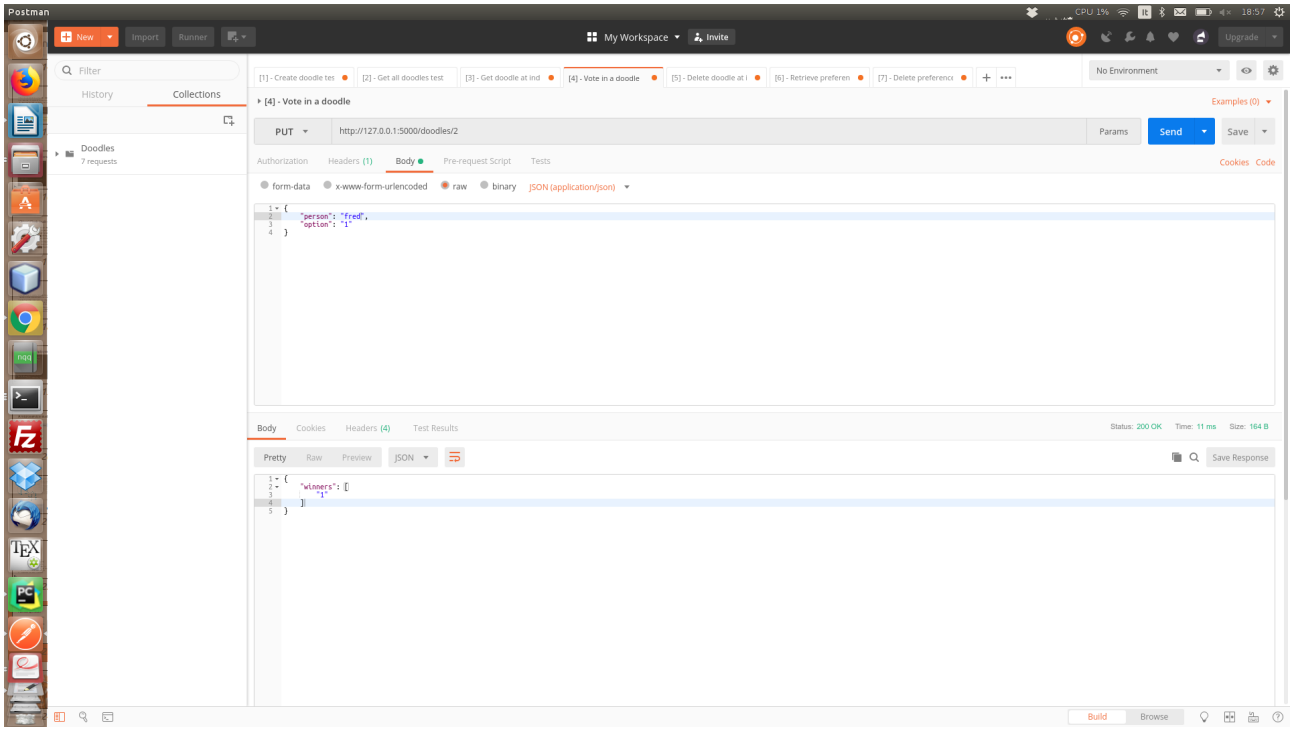
5) Get a single doodle



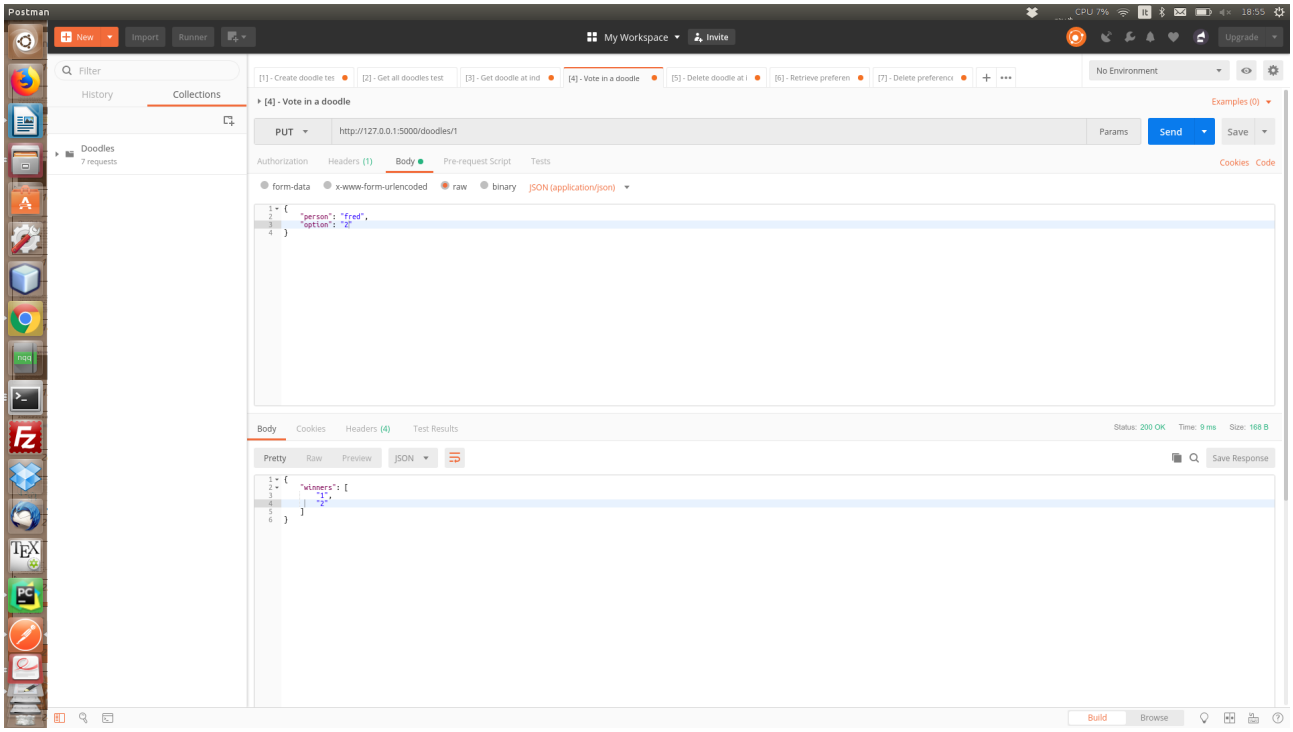
6)



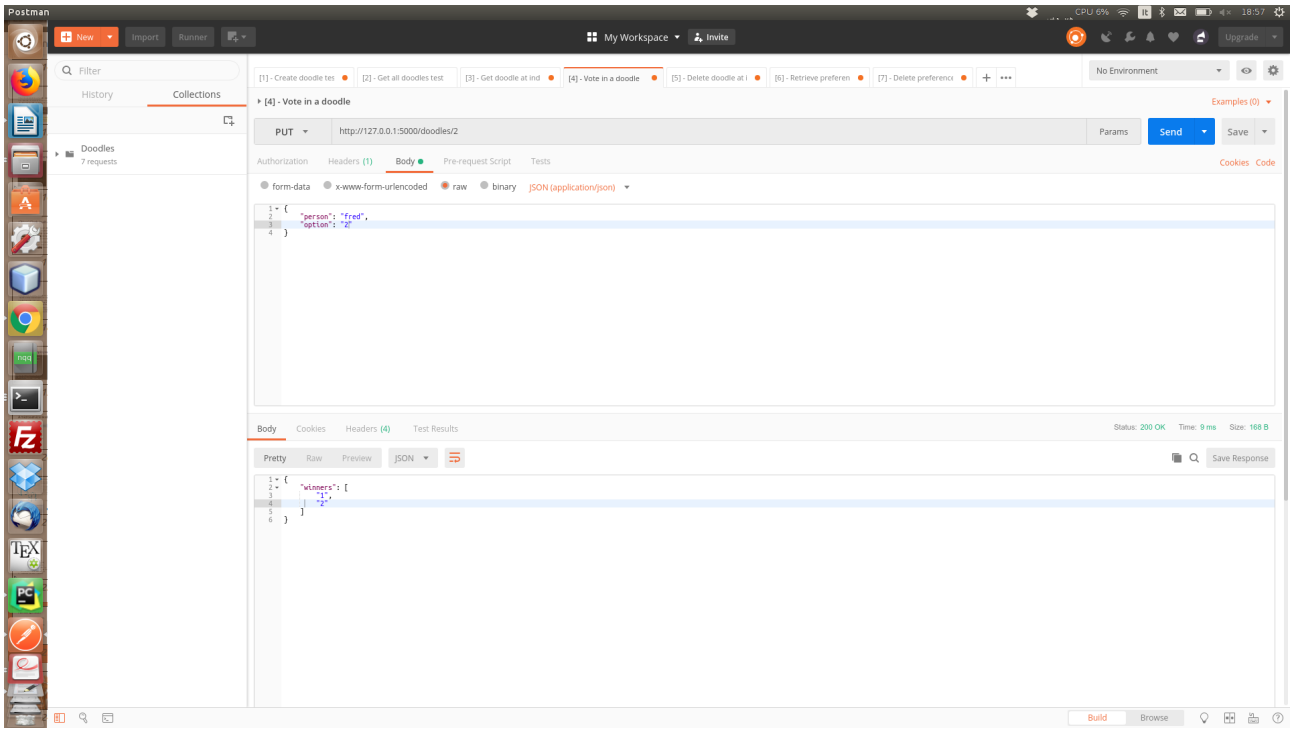
7) Test vote in a doodle



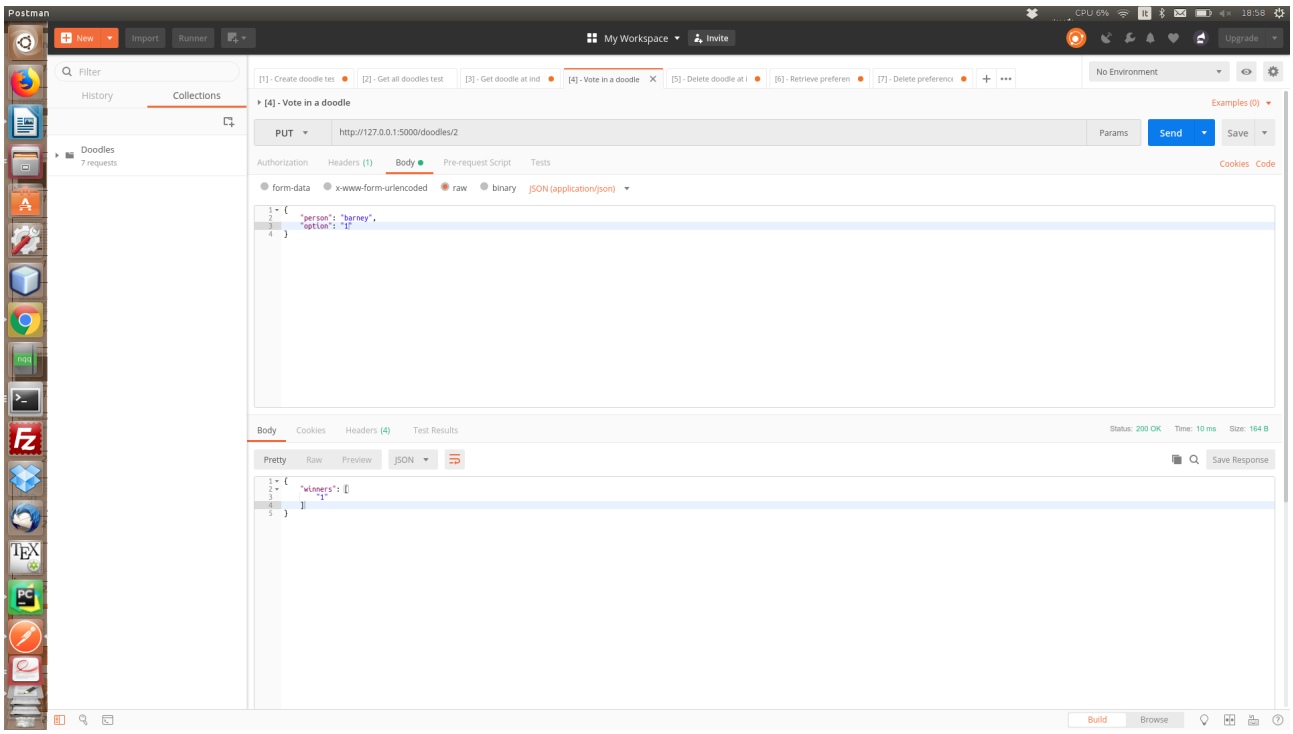
8)


Postman
New
Import
Runner
My Workspace
Invite
Upgrade
Filter
History
Collections
Doodles
7 requests
[4] - Vote in a doodle
No Environment
Examples (0)
PUT
http://127.0.0.1:5000/doodles/1
Params
Send
Save
Authorization
Headers (1)
Body
Pre-request Script
Tests
Cookies
Code
form-data
x-www-form-urlencoded
raw
binary
JSON (application/json)
{
"person": "fred",
"option": "2"
}
Body
Cookies
Headers (4)
Test Results
Status: 200 OK
Time: 9 ms
Size: 168 B
Pretty
Raw
Preview
JSON
Save Response
{
"winners": [
"1",
"2"
]
}
Build
Browse

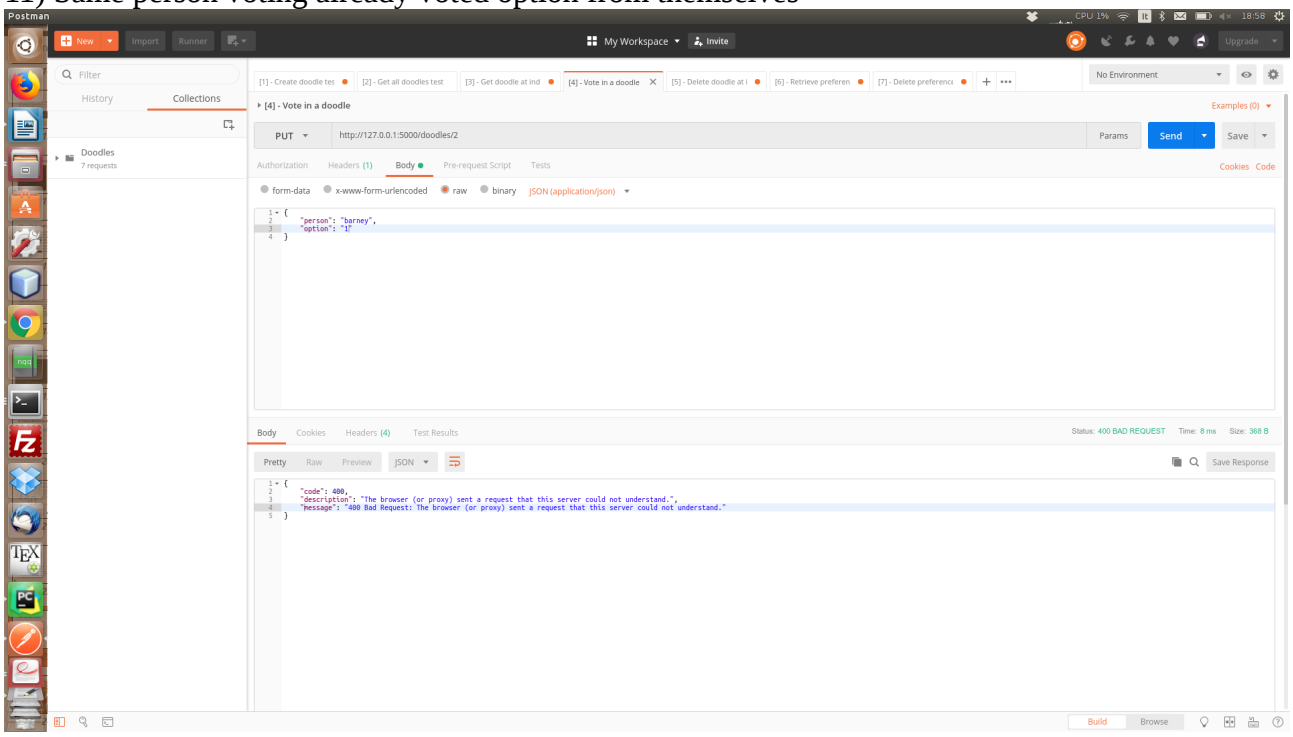
9)


Postman
New
Import
Runner
My Workspace
Invite
Upgrade
Filter
History
Collections
Doodles
7 requests
[4] - Vote in a doodle
No Environment
Examples (0)
PUT
http://127.0.0.1:5000/doodles/2
Params
Send
Save
Authorization
Headers (1)
Body
Pre-request Script
Tests
Cookies
Code
form-data
x-www-form-urlencoded
raw
binary
JSON (application/json)
{
"person": "fred",
"option": "2"
}
Body
Cookies
Headers (4)
Test Results
Status: 200 OK
Time: 9 ms
Size: 168 B
Pretty
Raw
Preview
JSON
Save Response
{
"winners": [
"1",
"2"
]
}
Build
Browse

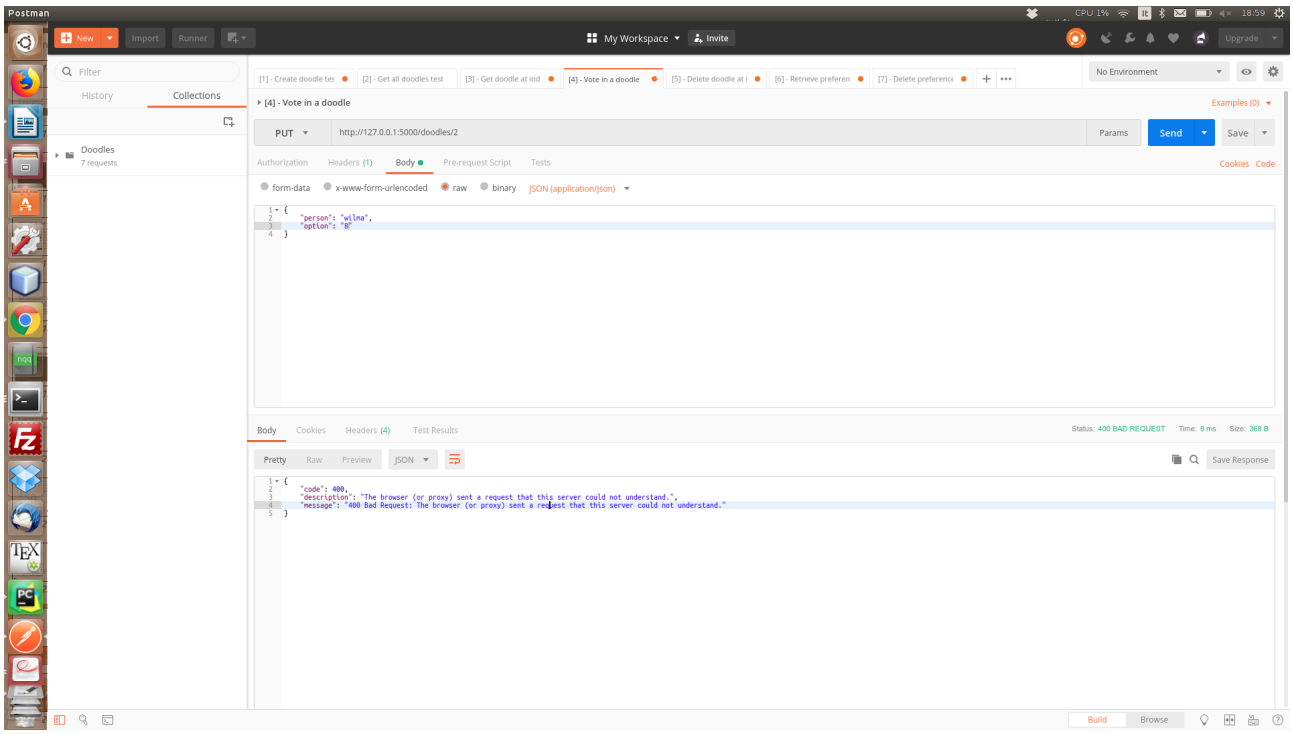
10)



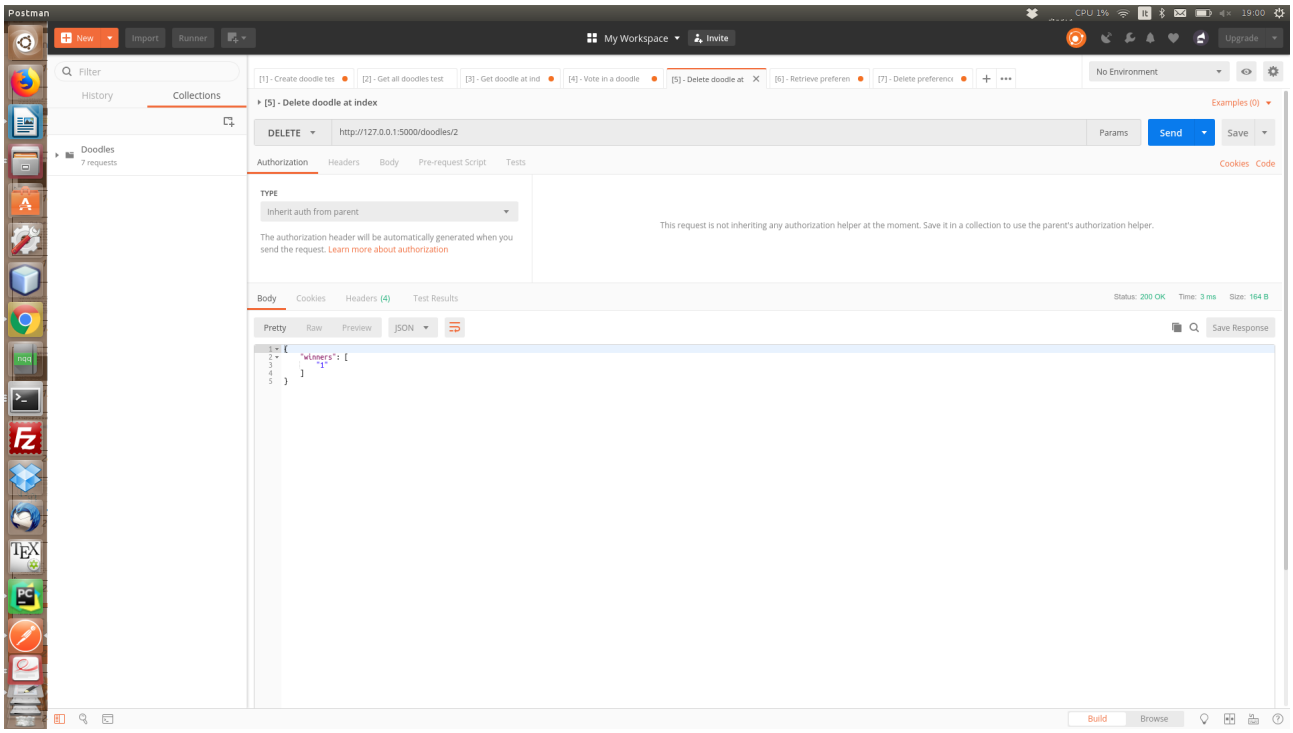
11) Same person voting already voted option from themselves



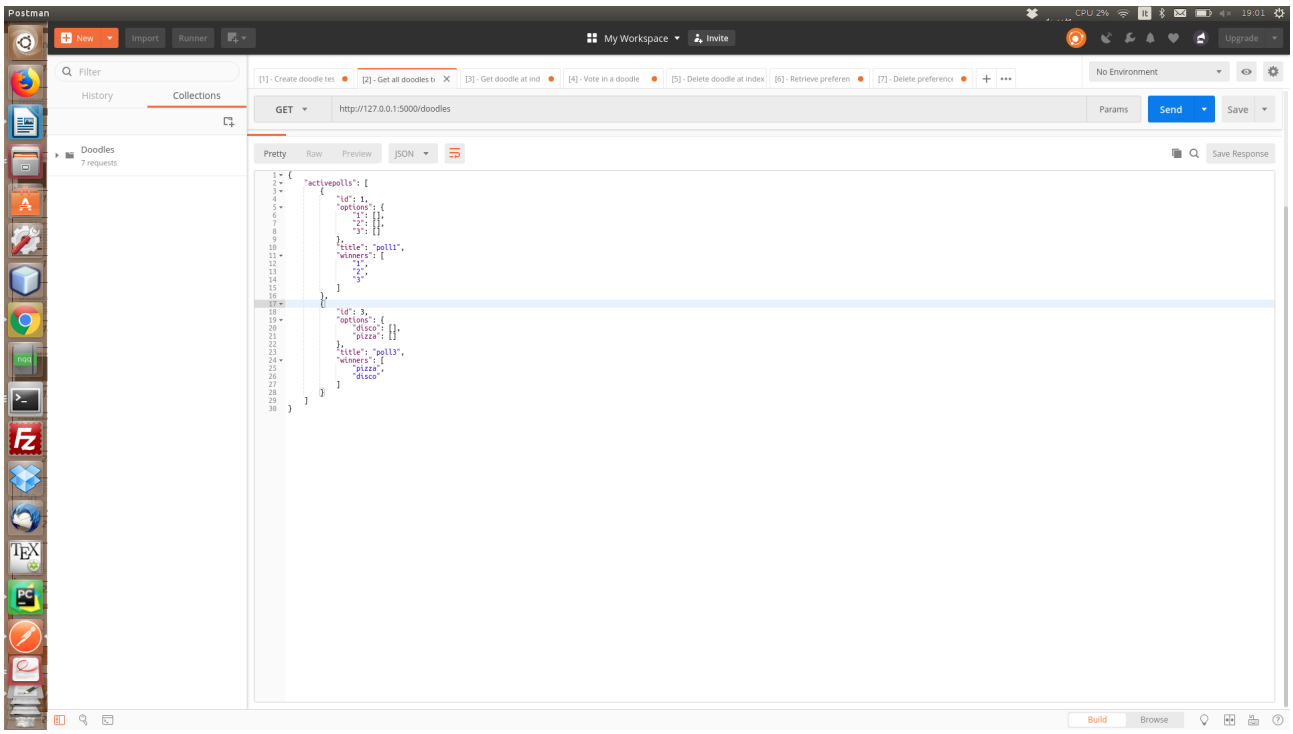
12) Vote non-existing option



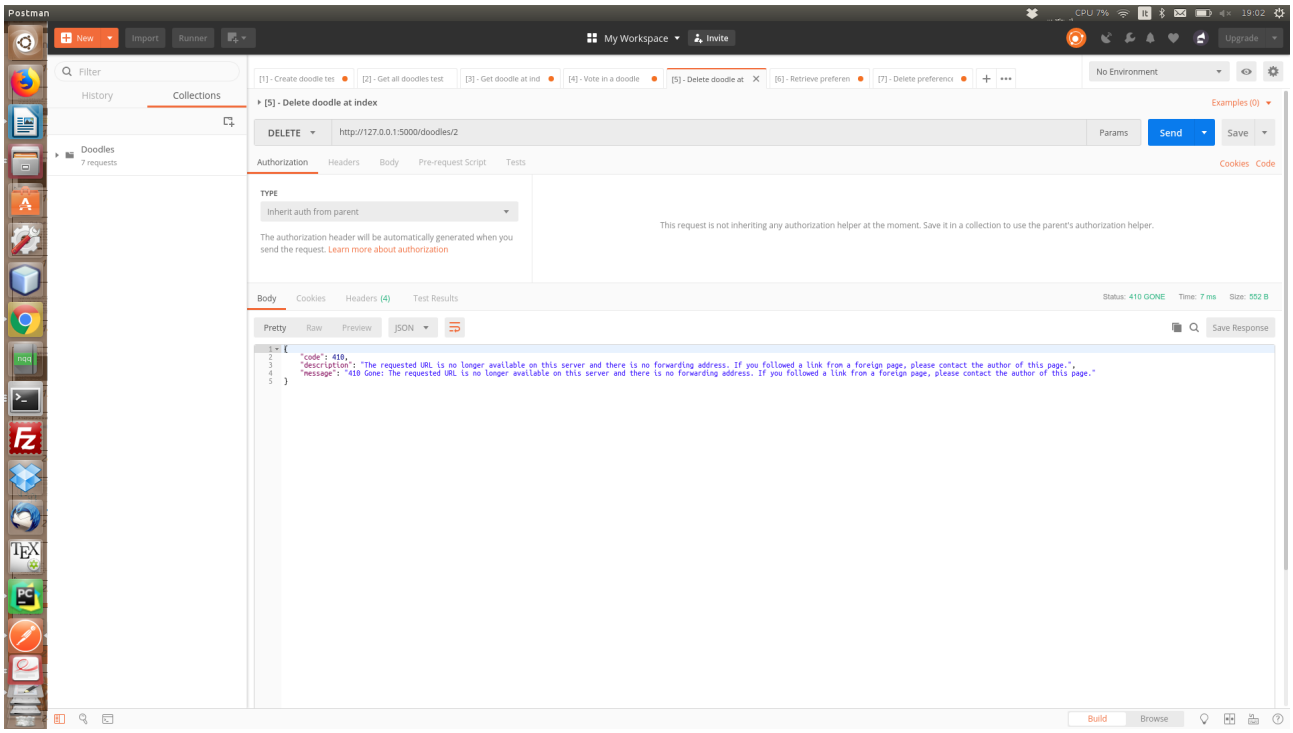
13) Delete a doodle



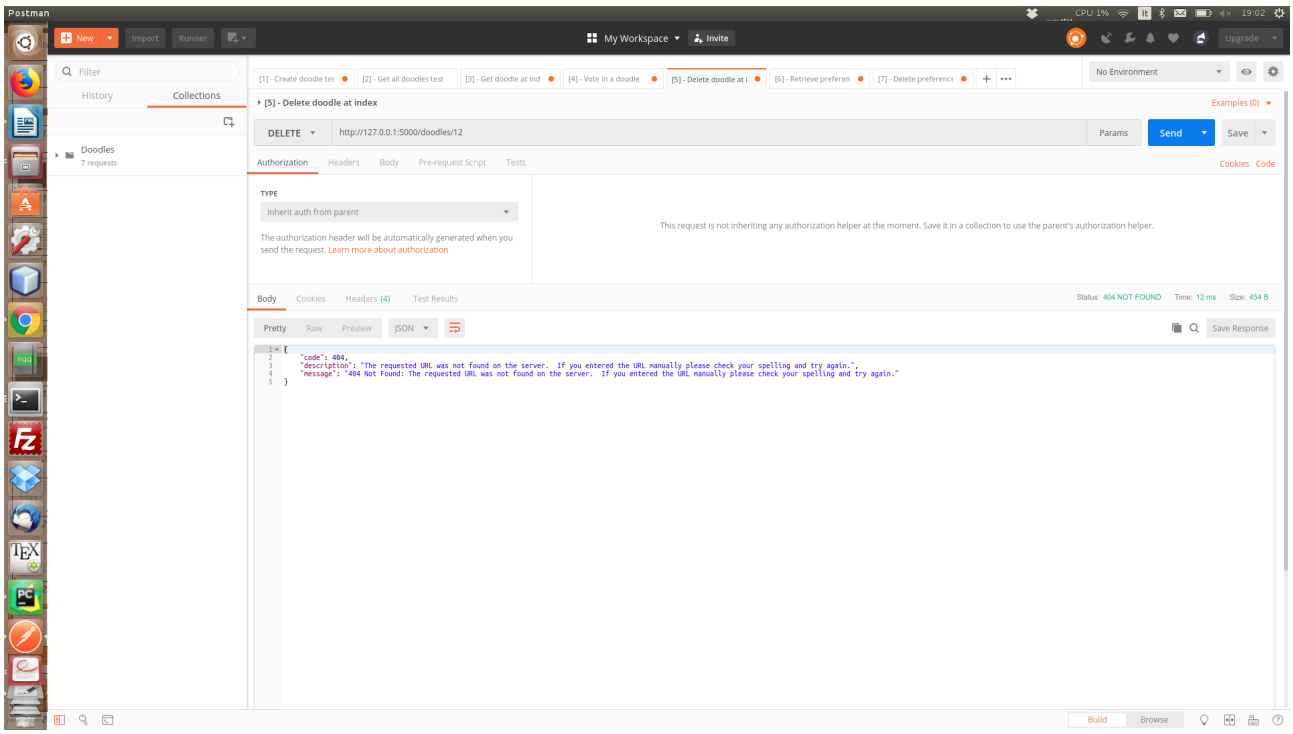
14) Get all existing doodles



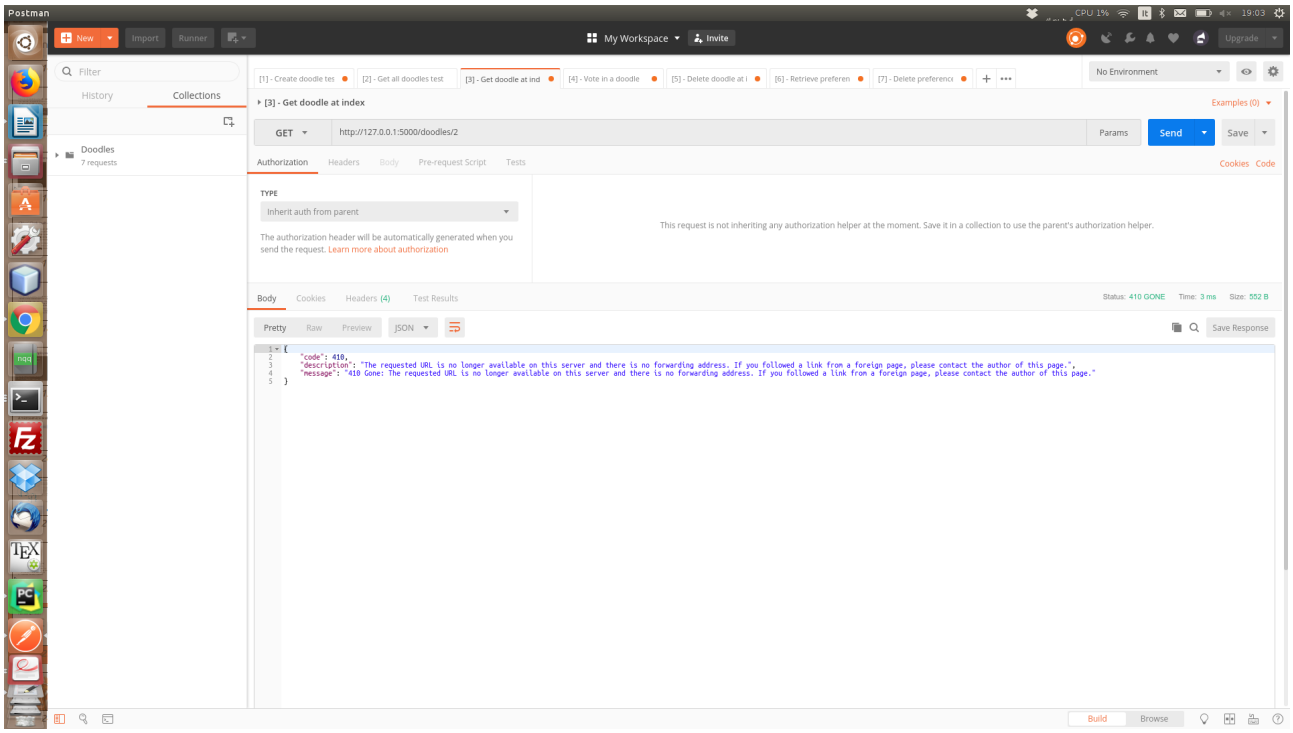
15) Delete previous doodle



16) Delete non-existing doodle

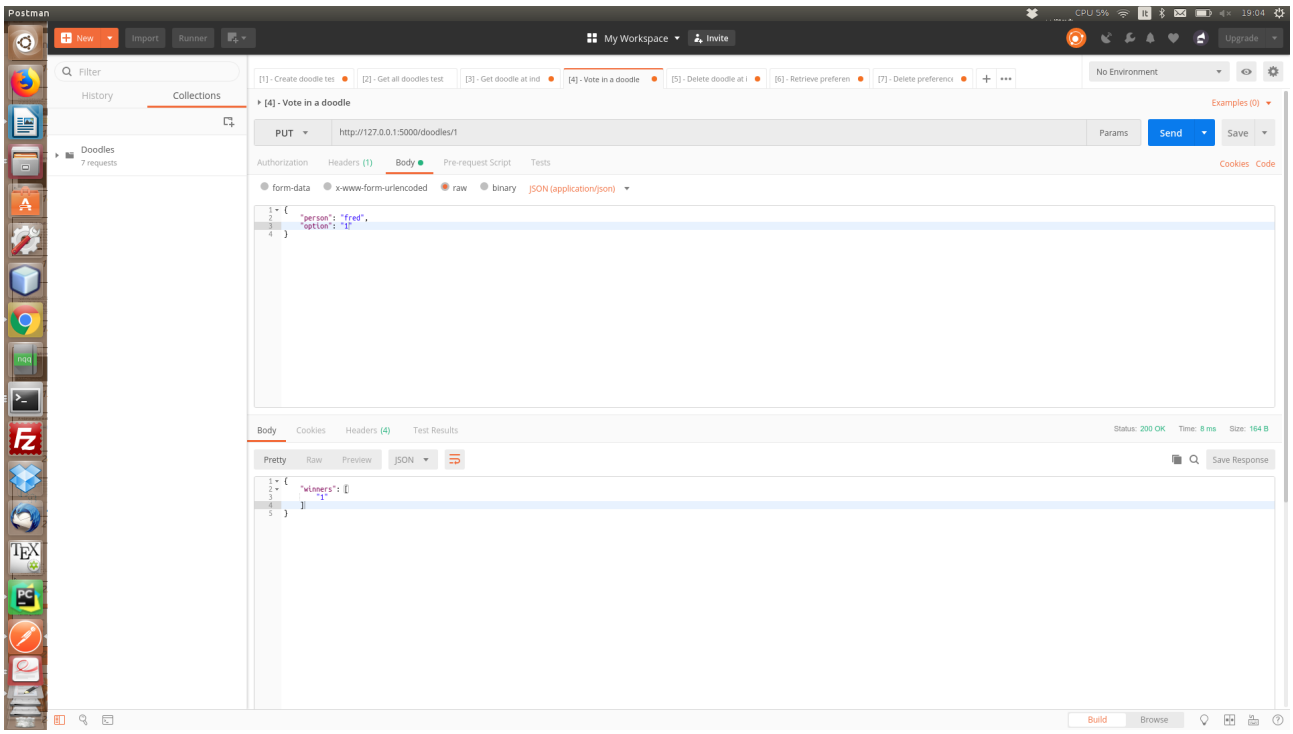


17) Get previously existing doodle

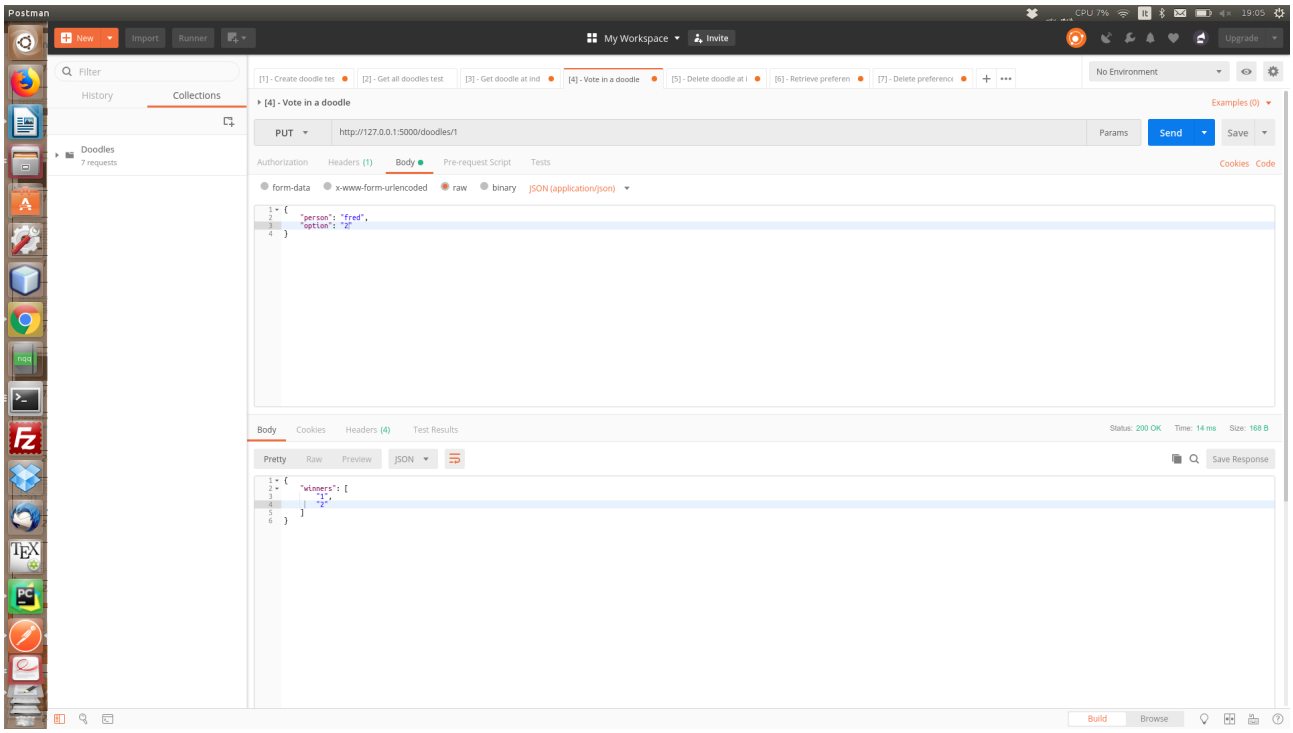


[Test 3]

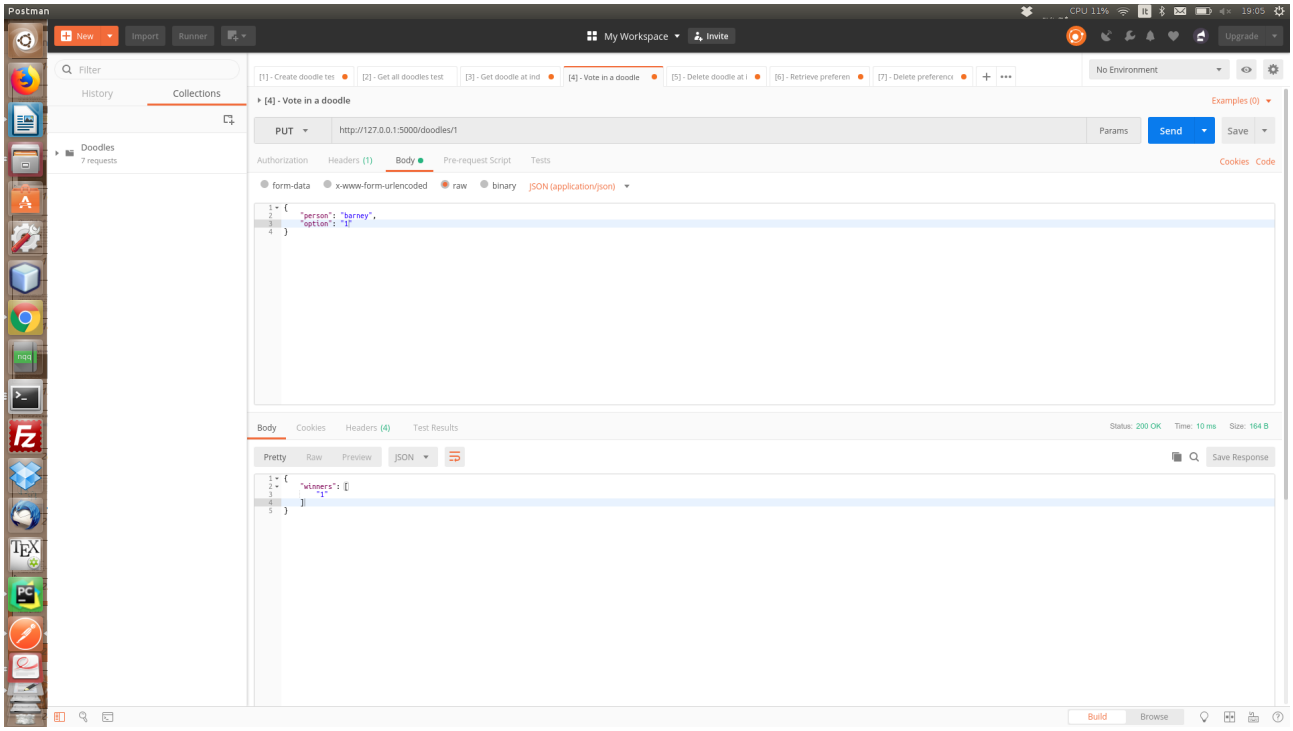
18) Vote in a doodle


Postman
New
Import
Runner
My Workspace
Invite
Upgrade
Filter
History
Collections
Doodles
7 requests
[4] - Vote in a doodle
No Environment
PUT
http://127.0.0.1:5000/doodles/1
Params
Send
Save
Authorization
Headers (1)
Body
Pre-request Script
Tests
Cookies
Code
form-data
x-www-form-urlencoded
raw
binary
JSON (application/json)
{
"person": "fred",
"option": "1"
}
Body
Cookies
Headers (4)
Test Results
Status: 200 OK
Time: 8 ms
Size: 164 B
Pretty
Raw
Preview
JSON
Save Response
{
"winners": [
"1"
]
}
Build
Browse

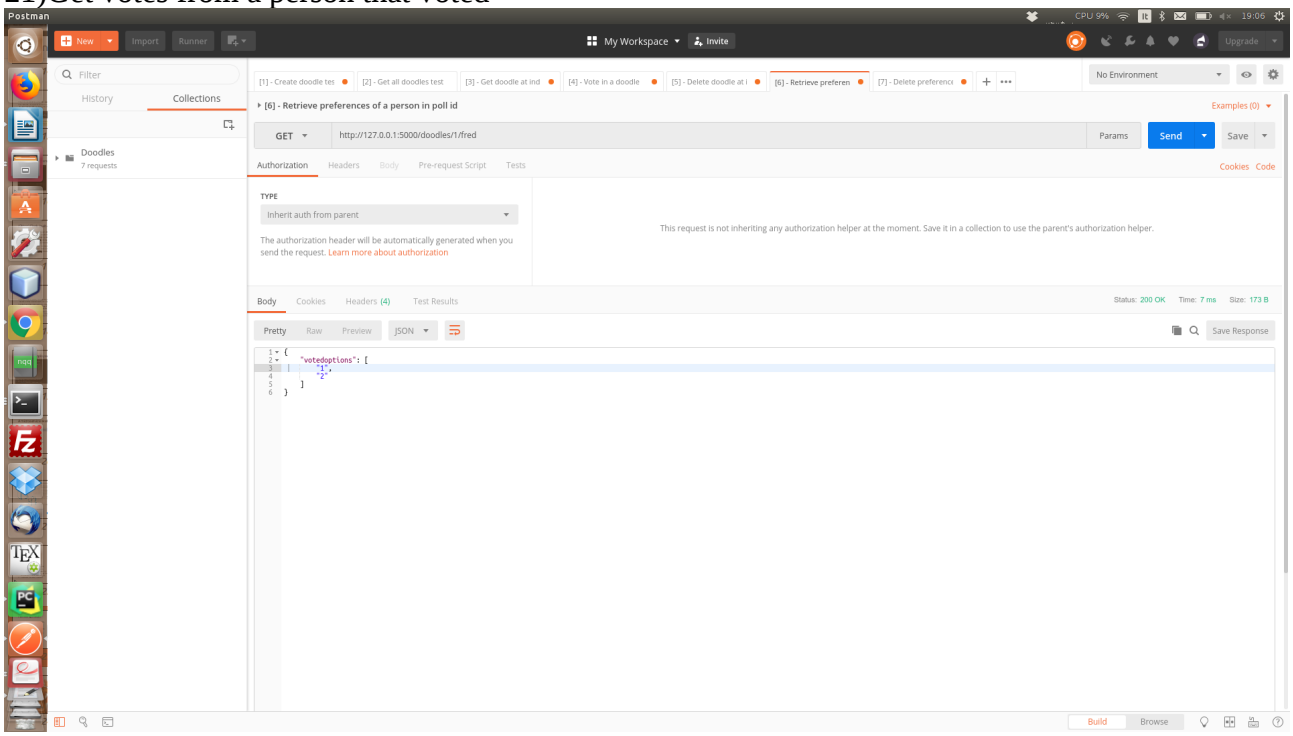
19)


Postman
New
Import
Runner
My Workspace
Invite
Upgrade
Filter
History
Collections
Doodles
7 requests
[4] - Vote in a doodle
No Environment
PUT
http://127.0.0.1:5000/doodles/1
Params
Send
Save
Authorization
Headers (1)
Body
Pre-request Script
Tests
Cookies
Code
form-data
x-www-form-urlencoded
raw
binary
JSON (application/json)
{
"person": "fred",
"option": "2"
}
Body
Cookies
Headers (4)
Test Results
Status: 200 OK
Time: 14 ms
Size: 168 B
Pretty
Raw
Preview
JSON
Save Response
{
"winners": [
"1",
"2"
]
}
Build
Browse

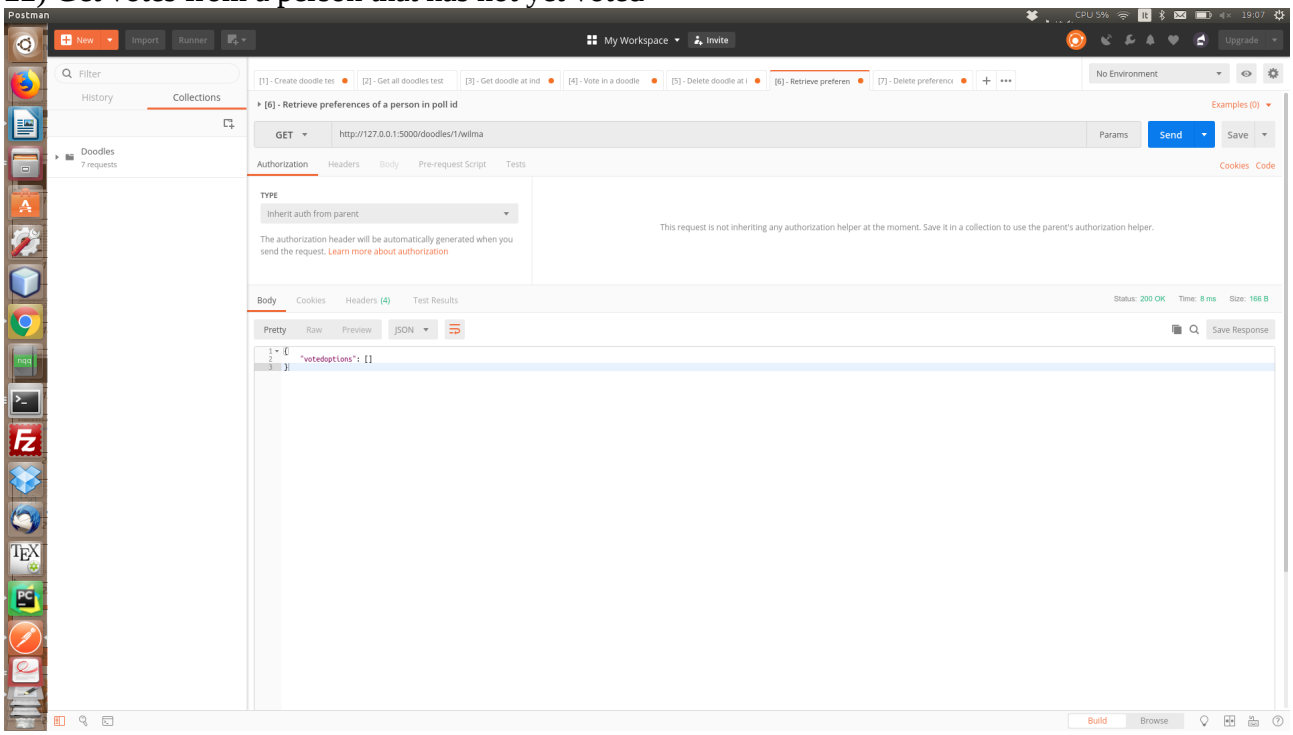
20)



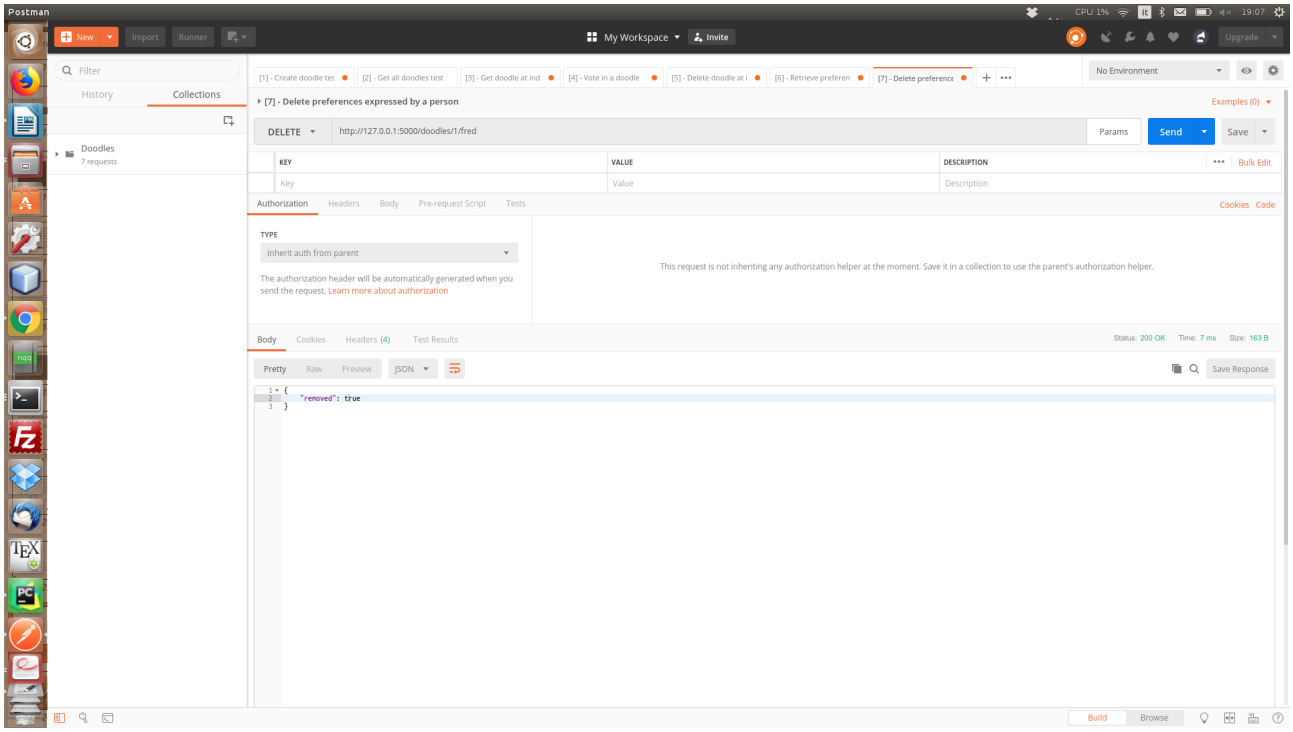
21)Get votes from a person that voted



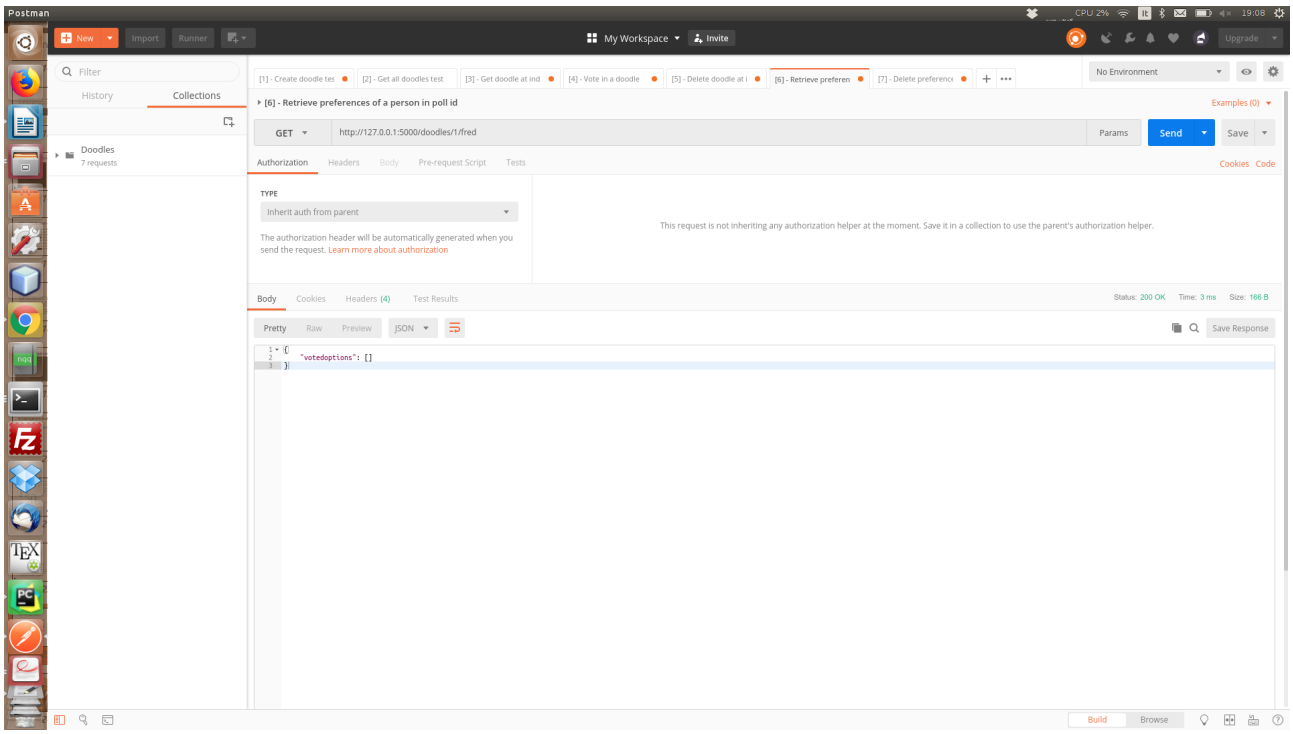
22) Get votes from a person that has not yet voted



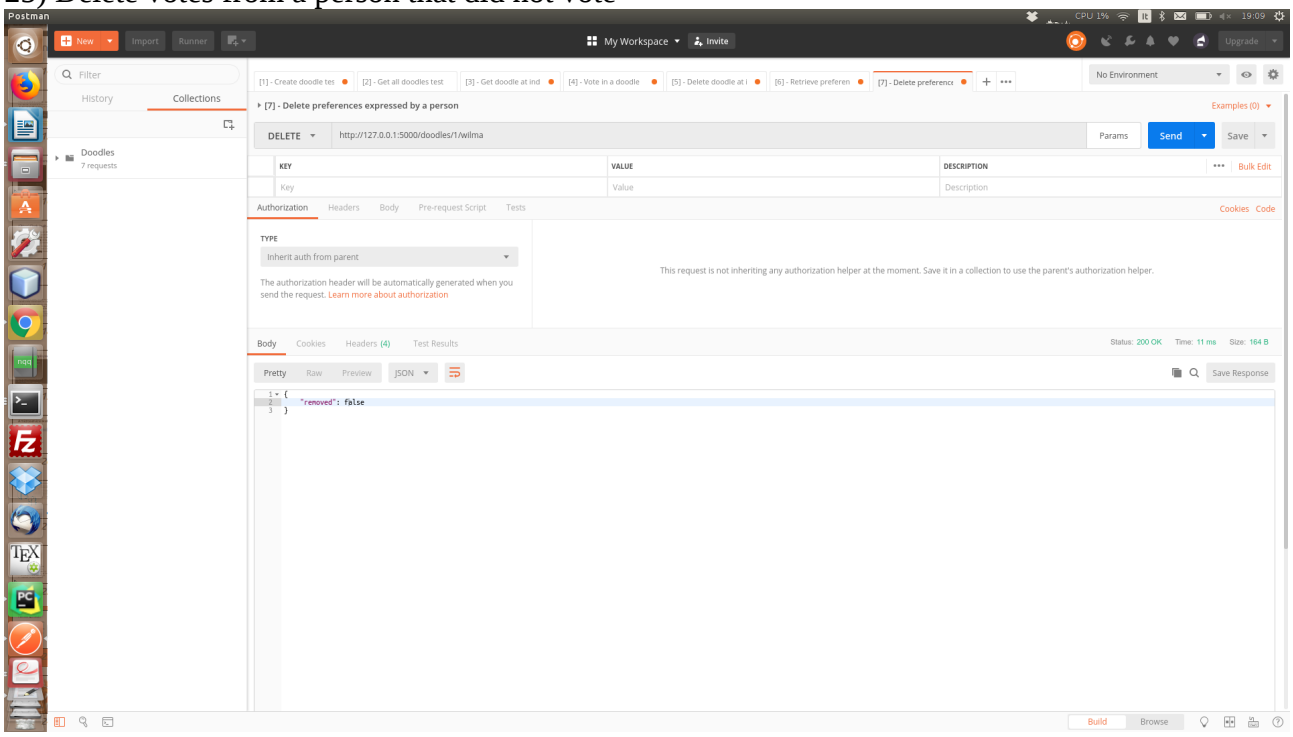
23) Delete votes from a person that voted



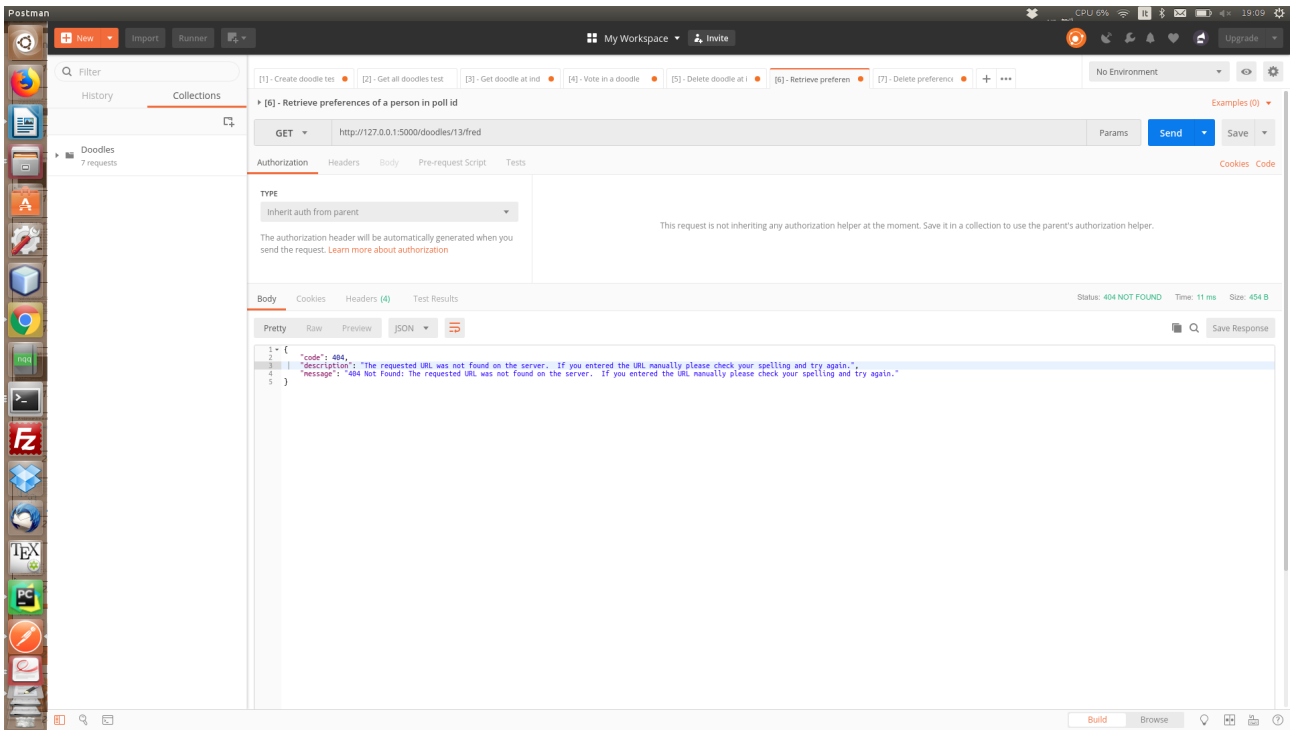
24) Get votes from a person that was deleted



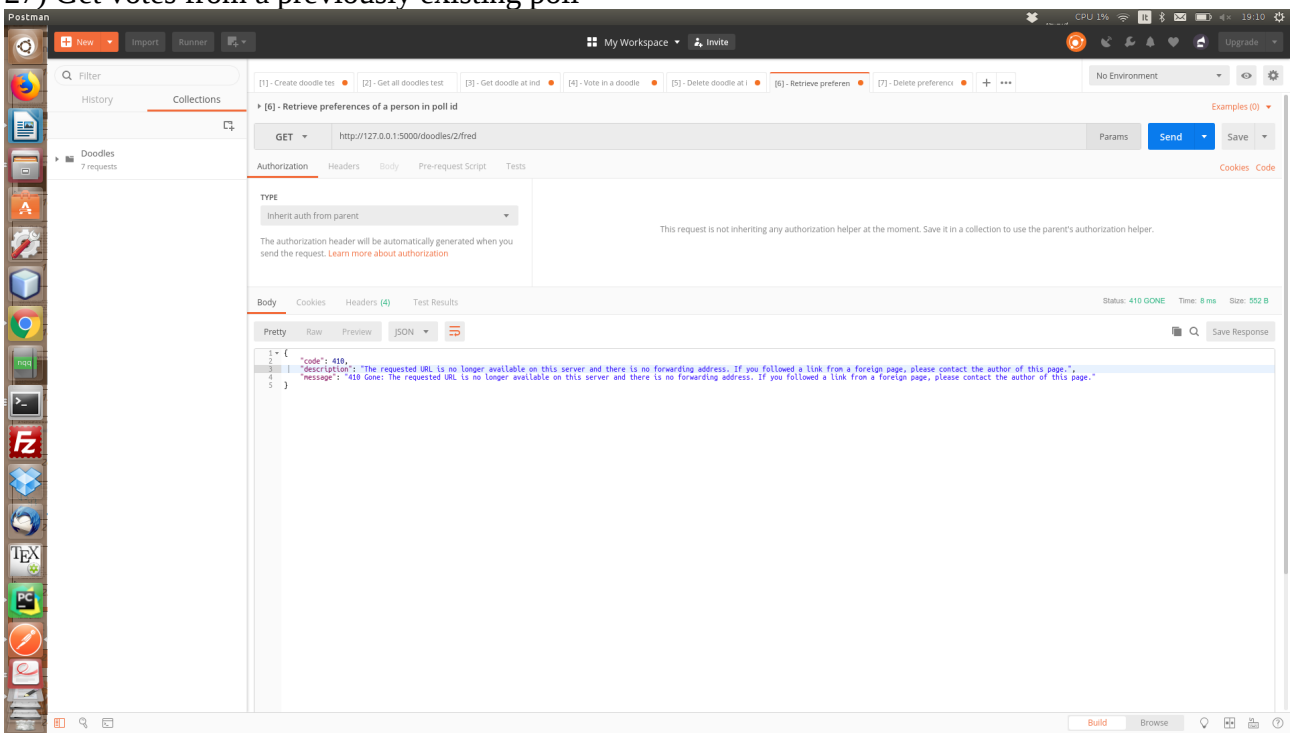
25) Delete votes from a person that did not vote



26) Retrieve votes from a non-existing poll

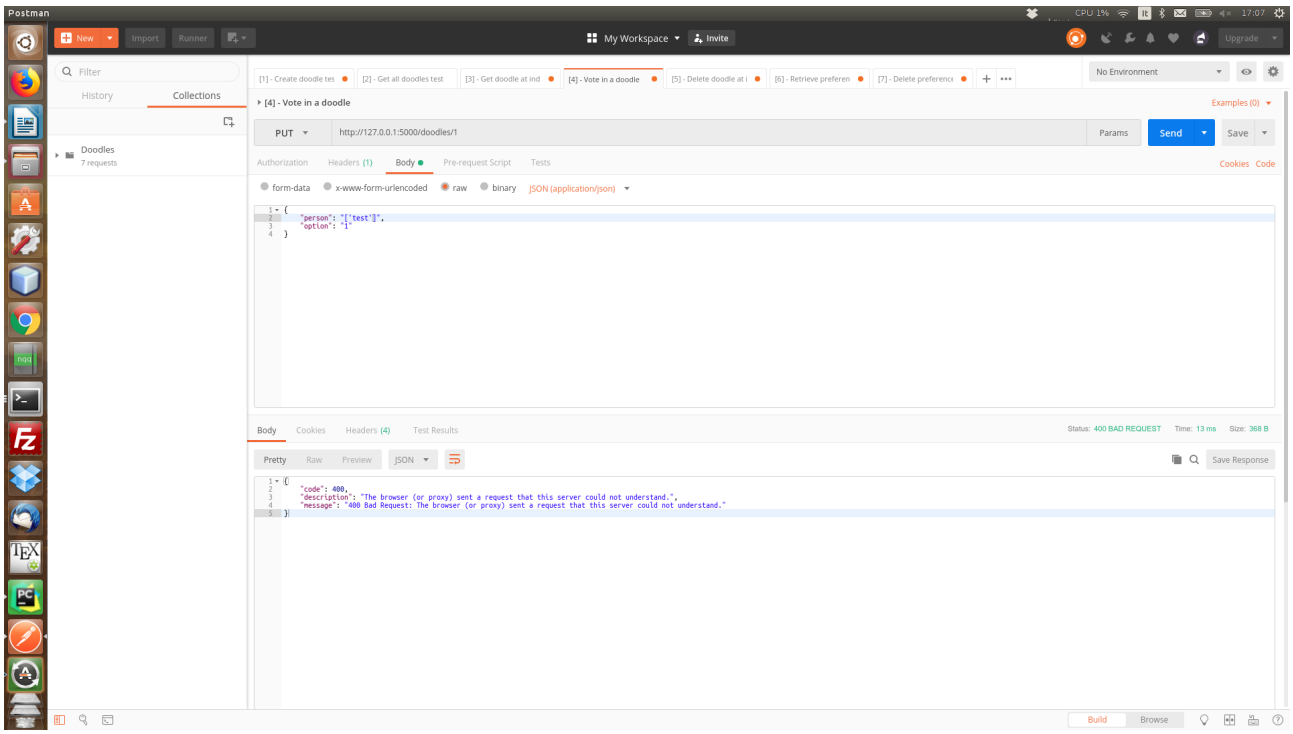


27) Get votes from a previously existing poll



[4 – Extra tests]

28) Invalid data structure provided as ‘person’



29) Invalid data structure provided while creating the doodle: