Download postman from <https://www.postman.com/downloads/>

Run the 3 files sent in different console. Each file is of different port no.

# To be installed:

# Flask==0.12.2: pip install Flask==0.12.2

# requests==2.18.4: pip install requests==2.18.4

#pip install smtplib

Open postman with 3 tabs

Change the request method to POST

Run <http://127.0.0.1:5001/connect_node> with param

as

{

"nodes"=["http://127.0.0.1.5002",

"http://127.0.0.1.5003"]}

#go to body choose raw and JSON

<http://127.0.0.1:5002/connect_node> with param

as

{

"nodes"=["http://127.0.0.1.5001",

"http://127.0.0.1.5003"]}

<http://127.0.0.1:5003/connect_node> with param

as

{

"nodes"=["http://127.0.0.1.5002",

"http://127.0.0.1.5001"]}

#While sending the request put the authorization parameters in the authorisation tab

users2={'hospital':'password',

'hospital2':'password'

}

users={"government":"password",

"govt2":"password",

'hospital':'password',

'hospital2':'password'

}

#only user2 block can add a new block rest cannot.

#For adding a new block

For port 5003

Use <http://127.0.0.1:5003/add_transaction> request as POST

go to body choose raw and JSON

You can put a demo data as

{

"hospital\_id": "1224", "patient\_id": "bansal.vidhi97@gmail.com","city":"Delhi","gender":"F","age":44,

"date\_Of\_admission":"16/04/2020","still\_in\_hospital":"No","date\_of\_discharge":"01/05/2020",

"days\_spent\_in\_hospital":15,

"cost":15000, "medicine\_used":"abs",

"Infection\_at\_the\_time\_of\_admission":2, "Max\_Infection\_achieved":3,

"Temp":"45", "Reason\_Of\_Discharge":"Recovery"

}

#In patient\_id currently patient’s email is has been entered. Later uid would be entered that would be mapped to the email id

In send\_email() function put your email\_id in variable s for sender variable

And in variable p put its password.

Email would be sent to the patient’s email id

# For port 5003

Send request <http://127.0.0.1:5003/mine_block> in GET request mode

# For port 5001

Send request <http://127.0.0.1:5001/replace_chain> in GET request mode

For port 5002

Send request <http://127.0.0.1:5002/replace_chain> in GET request mode

#Before adding a block always send replace\_chain request

#Other requests in GET mode are

/get\_chain

/city\_with\_max\_cases

/no\_of\_infants

/patients\_of\_age\_group\_between\_1\_and\_10

/patients\_of\_age\_group\_between\_10\_and\_30

/patients\_of\_age\_group\_between\_30\_and\_60

/patients\_of\_age\_group\_above\_60

/no\_of\_female\_patients

/no\_of\_male\_patients

/hospital\_with\_max\_recovery

/medicines\_taken\_by\_recovered\_patient

/total\_exp\_till\_now

/no\_of\_patients\_in\_hospital

/no\_of\_cases\_closed

/no\_of\_current\_patients

/no\_of\_casualities

/no\_of\_recovery