Steps on creating iroha node:

REMOVING PREVIOUS RUN (only if necessary):

**Start Docker**

service docker start

**Stop all the containers:**

docker stop $(docker ps -a -q)

**Remove all the containers:**

docker rm $(docker ps -a -q)

**Prune docker:**

Docker network prune

Y

Docker volume prune

Y

Docker image prune

Y

CREATING NEW INSTANCE:

**Create network:**

docker network create iroha-network

**Run docker:**

docker run --name some-postgres \

-e POSTGRES\_USER=postgres \

-e POSTGRES\_PASSWORD=mysecretpassword \

-p 5432:5432 \

--network=iroha-network \

-d postgres:9.5 \

-c 'max\_prepared\_transactions=100'

**Creating blockstore:**

docker volume create blockstore

**Clone github:**

git clone -b main https://github.com/hyperledger/iroha --depth=1

**Run node:**

docker run --name iroha \

-d \

-p 50051:50051 \

-v $(pwd)/iroha/example:/opt/iroha\_data \

-v blockstore:/tmp/block\_store \

--network=iroha-network \

-e KEY='node0' \

hyperledger/iroha:latest

After this process is complete, then the python script will be able to connect on the local computer.