Class fileserver

**Parameters:**

* Port(random)
* State – 1-server, 2-client

**Constructor:**

* Fileserver(port, state)

**Funcs:**

* Run\_as\_client()
* Run\_as\_Server()

+ Run()

Run\_as\_server():

Socket\_client = socket\_server.listening

Port = socket\_client.recv(1024)

Sockewt\_client.send(‘gotit’)

Socket\_server.close()

Socket\_client.close()

State = 2

Run\_as\_client():

Socket\_client.connect(port)

Port = random(2000-5000)

Socket\_client.send(port)

Print(socket\_client.recv(1024)

Socket\_client.close()

State = 1

Start\_Run():

While(true)

If state = 1:

Run\_as\_server()

Else

Run\_as\_client()

Run():

Thread t = new (target = start\_run)

t.start()