Департамент образования и науки города Москвы

Государственное автономное образовательное учреждение

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«Московский городской педагогический университет»

Институт цифрового образования

Департамент информатики, управления и технологий

ДИСЦИПЛИНА:

«Распределенные системы»

Отчет по практической работе №4

Тема:

«Семинар 4. ZeroMQ»

Выполнил:

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```
lemp@u20-14:~$ sudo apt install python3-pip
[sudo] password for lemp:
Reading package lists... Done
Building dependency tree
Reading state information... Done
python3-pip is already the newest version (20.0.2-5ubuntu1.6).
The following packages were automatically installed and are no longer required:
  chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi libfwupdplugin1 libgstreamer-plugins-bad1.0-0
  libminizip1 libva-wayland2
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 50 not upgraded.
lemp@u20-14:~$ pip3 install pyzmq
Requirement already satisfied: pyzmq in ./.local/lib/python3.8/site-packages (24.0.1)
```

```
lemp@u20-14:~/Downloads/Distributed_systems-main/d-zadanie/02-sockets/zeromq/tes
t server$ python3 server.py

Received request: b'Hello'
Received request: b'Hello'
Received request: b'Hello'
Received request: b'Hello'
Received request: b'Hello'
Received request: b'Hello'
Received request: b'Hello'
Received request: b'Hello'
Received request: b'Hello'
Received request: b'Hello'
```

```
lemp@u20-14:~/Downloads/Distributed_systems-main/d-zadanie/02-sockets/zeromq/test server$ python3 client
.py
Connecting to hello world server…
Sending request 0 …
Received reply 0 [ b'World' ]
Sending request 1 …
Received reply 1 [ b'World' ]
Sending request 2 …
Received reply 2 [ b'World' ]
Sending request 3 …
Received reply 3 [ b'World' ]
Sending request 4 …
Received reply 4 [ b'World' ]
Sending request 5 …
Received reply 5 [ b'World' ]
Sending request 6 …
Received reply 6 [ b'World' ]
Sending request 7 …
Received reply 7 [ b'World' ]
Sending request 8 …
Received reply 8 [ b'World' ]
Sending request 9 …
lemp@u20-14:~/Downloads/Distributed_systems-main/d-zadanie/02-sockets/zeromq/test server$
```