Департамент образования и науки города Москвы

Государственное автономное образовательное учреждение

высшего образования города Москвы

«Московский городской педагогический университет»

Институт цифрового образования

Департамент информатики, управления и технологий

Практическая работа № 5

Тема: «ZeroMQ»

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```
lemp001@u20-17:~$ sudo apt install python3-pip
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 libva-wayland2
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 56 not upgraded.
lemp001@u20-17:~$ pip3 install pyzmq
Collecting pyzmq
  Downloading pyzmq-24.0.1-cp38-cp38-manylinux_2_12_x86_64.manylinux2010_x86_64.
whl (1.1 MB)
     |                                   | 1.1 MB 1.9 MB/s
Installing collected packages: pyzmq
Successfully installed pyzmq-24.0.1
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   JUPYTER

```
lemp001@u20-17:~/Downloads          romq/testserver$ python3
/Distributed_systems-main/          server.py
d-zadanie/02-sockets/zerom          Received request: b'Hello
q/testserver$ python3 clie          '
nt.py                               Received request: b'Hello
Connecting to hello world           '
server…                             Received request: b'Hello
Sending request 0 …                 '
Received reply 0 [ b'World          Received request: b'Hello
' ]                                 '
Sending request 1 …                 Received request: b'Hello
Received reply 1 [ b'World          '
' ]                                 Received request: b'Hello
Sending request 2 …                 '
Received reply 2 [ b'World          Received request: b'Hello
' ]                                 '
Sending request 3 …                 Received request: b'Hello
Received reply 3 [ b'World          '
' ]                                 Received request: b'Hello
Sending request 4 …                 '
Received reply 4 [ b'World          Received request: b'Hello
' ]                                 '
Sending request 5 …                 []
```