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Институт цифрового образования
Департамент информатизации образования

Лабораторная работа № 2

«Multicast»

Дисциплина: Распределенные системы

Выполнила: студентка группы ТП-191

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2022 г

socket_multicast_receiver.py - task_postgre - Visual Studio Code

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EXPLORER

- TASK_POSTGRE
 - frolov2022
 - socket_multicast_receiver.py
 - socket_multicast_sender.py

socket_multicast_receiver.py > ...

```
1 import socket
2 import struct
3 import sys
4
5 multicast_group = '224.3.29.71'
6 server_address = ('', 10000)
7
8 # Create the socket
9 sock = socket.socket(socket.AF_INET, socket.SOCK_DGRAM)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

terminal

```
lemp001@u20-02:~/Downloads/task_postgre$ dir
frolov2022
lemp001@u20-02:~/Downloads/task_postgre$ dir
frolov2022
lemp001@u20-02:~/Downloads/task_postgre$ dir
frolov2022 socket_multicast_receiver.py socket_multicast_sender.py
lemp001@u20-02:~/Downloads/task_postgre$
```

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EXPLORER

- TASK_POSTGRE
 - frolov2022
 - socket_multicast_receiver.py
 - socket_multicast_sender.py

socket_multicast_sender.py > ...

```
30 data, server = sock.recvfrom(16)
31 except socket.timeout:
32     print('timed out, no more responses')
33     break
34 else:
35     print('received {} from {}'.format(
36         data, server))
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

terminal

```
6.35.30', 44687)
waiting to receive message
received 19 bytes from ('172.26.35.25', 46661)
b'very important data'
sending acknowledgement to ('172.26.35.25', 46661)

waiting to receive message
received 19 bytes from ('172.26.35.132', 39803)
b'very important data'
sending acknowledgement to ('172.26.35.132', 39803)

waiting to receive message
received 19 bytes from ('172.26.35.28', 45631)
b'very important data'
sending acknowledgement to ('172.26.35.28', 45631)

waiting to receive message

received b'ack' from ('172.26.35.139', 10000)
waiting to receive
received b'ack' from ('172.26.35.124', 10000)
waiting to receive
received b'ack' from ('172.26.35.121', 10000)
waiting to receive
received b'ack' from ('172.26.35.127', 10000)
waiting to receive
received b'ack' from ('172.26.35.30', 10000)
waiting to receive
received b'ack' from ('172.26.35.128', 10000)
waiting to receive
received b'ack' from ('172.26.35.31', 10000)
waiting to receive
timed out, no more responses
closing socket
lemp001@u20-02:~/Downloads/task_postgre$
```

python3 bash

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