

raspberrypi

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server.py

server.py.save

? MobaXterm Personal Edition v23.4 ?
(SSH client, X server and network tools)

► SSH session to E94121232@192.168.137.234

? Direct SSH : ✓

? SSH compression : ✓

? SSH-browser : ✓

? X11-forwarding : ✓ (remote display is forwarded through SSH)

► For more info, ctrl+click on [help](#) or visit our [website](#).

Linux raspberrypi 6.1.0-rpi4-rpi-v8 #1 SMP PREEMPT Debian 1:6.1.54-1+rpt2 (2023-10-05) aarch64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.

Last login: Mon Nov 27 04:56:35 2023 from 192.168.137.1

E94121232@raspberrypi:~ \$ python server.py

Waiting for connection...

Add connection from ('192.168.137.1', 60118)

Received from ('192.168.137.1', 60118): 1

Send to ('192.168.137.1', 60118): 1

connection closed

Waiting for connection...

Add connection from ('192.168.137.1', 60124)

Received from ('192.168.137.1', 60124): 99

Send to ('192.168.137.1', 60124): 218922995834555169026

connection closed

Waiting for connection...

Add connection from ('192.168.137.1', 60131)

Received from ('192.168.137.1', 60131): 9

Send to ('192.168.137.1', 60131): 34

connection closed

Waiting for connection...

Add connection from ('192.168.137.1', 60143)

Received from ('192.168.137.1', 60143): exit

raspberrypi

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

/home/E94121232/

Name

- ..
- .cache
- .config
- .local
- Bookshelf
- Desktop
- Documents
- Downloads
- Music
- Pictures
- Public
- Templates
- Videos
- .bash_history
- .bash_logout
- .bashrc
- .profile
- .sudo_as_admin_successful
- .Xauthority
- .xsession-errors
- .xsession-errors.old
- server.py
- server.py.save
- server.py.save.1

Remote monitoring

GNU nano 7.2 server.py

```
# -*- coding: utf-8 -*-
import socket

HOST = '192.168.137.234'
PORT = 8000

s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind((HOST, PORT))
s.listen()

while True:
    print('Waiting for connection...')
    a = 0
    b = 1
    c = 0
    conn, addr = s.accept()
    print(f'Add connection from {str(addr)}')

    n = conn.recv(1024).decode()
    if n == 'exit':
        print(f'Received from {str(addr)}: {n}')
        break
    n = int(n)
    print(f'Received from {str(addr)}: {n}')
    if n == 0 or n == 1:
        print(f'Send to {str(addr)}: {n}')
        conn.send(str(n).encode())
    else:
        for i in range(n-1):
            c = b;
            b = b + a;
            a = c;
        print(f'Send to {str(addr)}: {b}')
        conn.send(str(b).encode())
    print('connection closed')
    conn.close()

s.close()
```

#建立socket

#設定參數

#設定n為從客戶端得到並解碼的結果

#客戶端輸入exit時跳出迴圈中斷連線

#接收到的n為str 需要轉成int

#根據n的值計算結果

#將結果回傳給客戶端

#完成後斷開連線

[Wrote 37 lines]

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket