

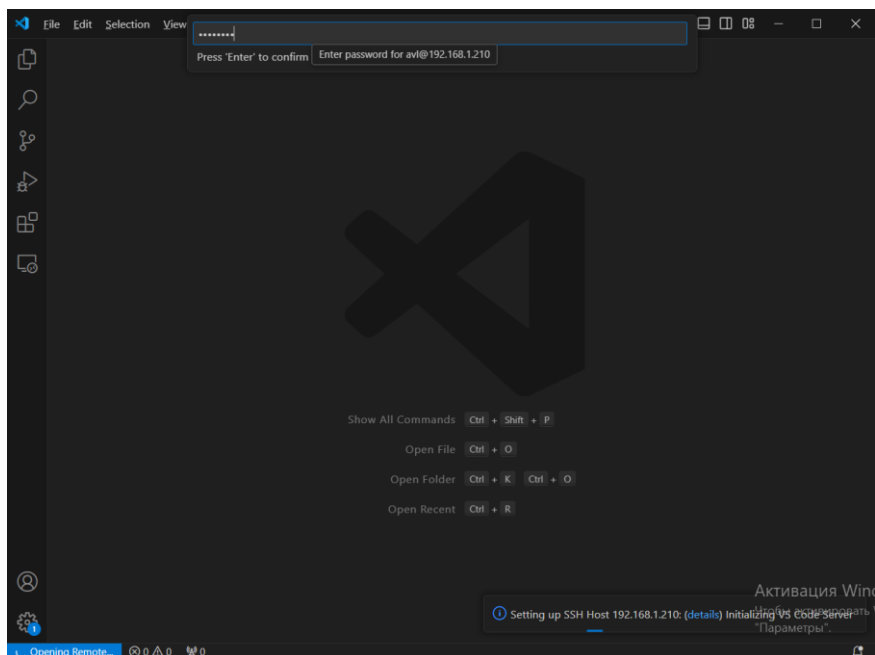
## Задание 1

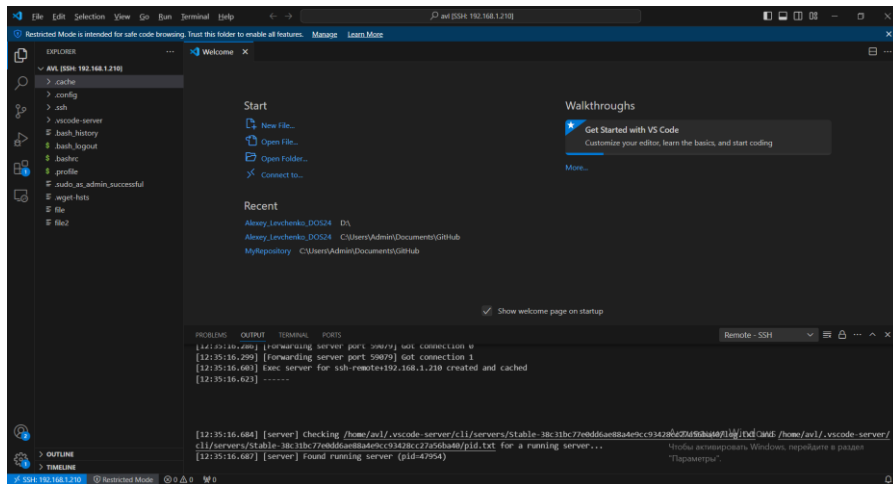
### Подключаемся по ssh к установленной Ubuntu

```
av1@192.168.1.210
Using username "av1".
av1@192.168.1.210's password: 
```

```
av1@ubuntu-s24: ~
av1@ubuntu-s24:~$ hostnamectl
Static hostname: ubuntu-s24
Icon name: computer-vm
Chassis: vm
Machine ID: 0ae5b488b15e4f0bad7ad2ae74f95c79
Boot ID: a0b502a6fd554ec3a9503cfe83a61b8
Virtualization: microsoft
Operating System: Ubuntu 24.04.1 LTS
Kernel: Linux 6.8.0-41-generic
Architecture: x86_64
Hardware Vendor: Microsoft Corporation
Hardware Model: Virtual Machine
Firmware Version: 090006
Firmware Date: Wed 2012-05-23
Firmware Age: 12y 4month 1w 5d
av1@ubuntu-s24:~$
```

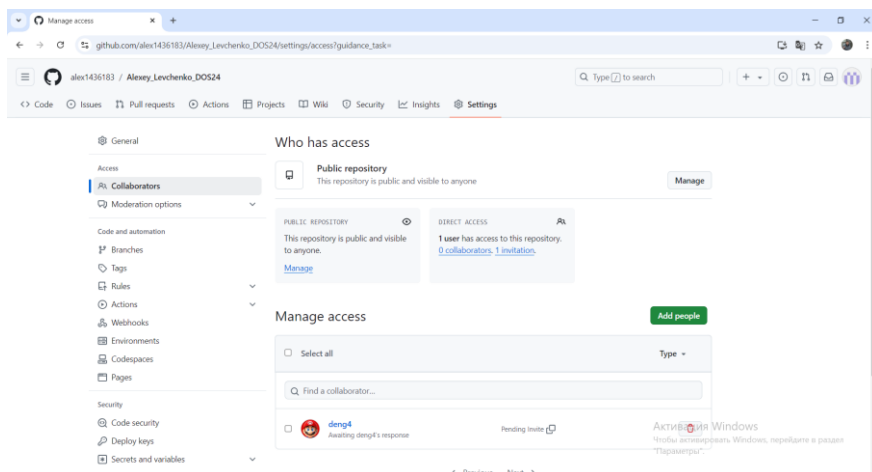
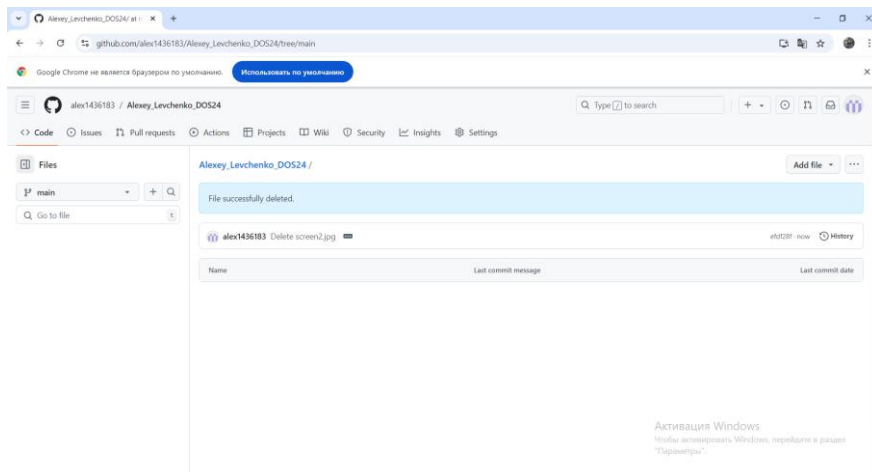
### Запускаем VS code и подключаемся по ssh к нашей Ubuntu





## Задание 2

Аккаунт на GitHub создан и отправлен invite преподавателю.



## Задание 3

Разворачиваем виртуальную машину на VirtualBox через terraform.

```
Выбрать Командная строка
Microsoft Windows [Version 10.0.19045.4894]
(c) Корпорация Майкрософт (Microsoft Corporation). Все права защищены.

C:\Users\Admin>cd C:\terraform-virtualbox-vm

C:\terraform-virtualbox-vm>terraform apply
virtualbox_vm.vm1: Refreshing state... [id=d10e3374-6cee-4f37-ab42-33966b46d654]

Note: Objects have changed outside of Terraform

Terraform detected the following changes made outside of Terraform since the last "terraform apply" which may have affected this plan:

# virtualbox_vm.vm1 has been deleted
- resource "virtualbox_vm" "vm1" {
  - cpus      = 2 -> null
  - id       = "d10e3374-6cee-4f37-ab42-33966b46d654" -> null
  - image    = "/ubuntu-118.box" -> null
  - memory   = "1.0 gib" -> null
  - name     = "Ubuntu" -> null
  - status   = "running" -> null

  - network_adapter {
    - device           = "IntelPro1000MTDesktop" -> null
    - host_interface   = "VirtualBox Host-Only Ethernet Adapter" -> null
    - ipv4_address     = "192.168.56.107" -> null
    - ipv4_address_available = "yes" -> null
    - mac_address     = "0800271A77E0" -> null
    - status          = "up" -> null
    - type            = "hostonly" -> null
  }
}
```

```
Выбрать Командная строка

Changes to Outputs:
  ~ IPAddress = "192.168.56.107" -> (known after apply)

Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.

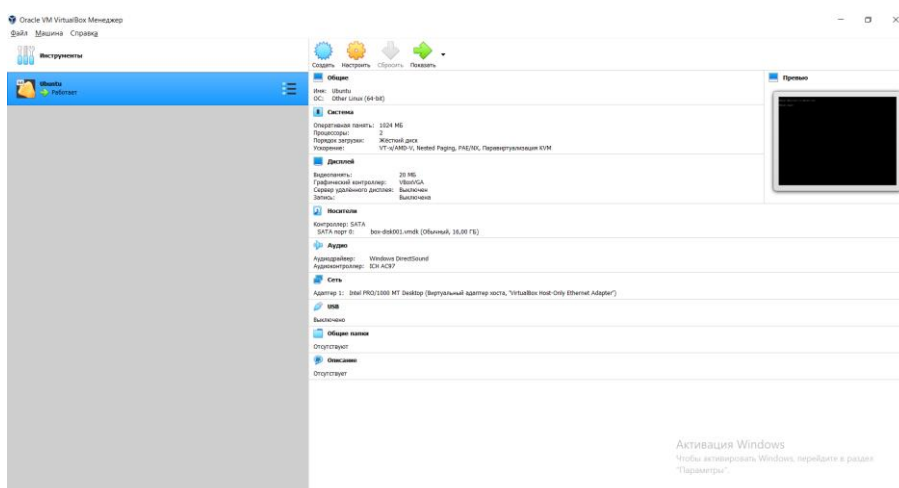
Enter a value: yes

virtualbox_vm.vm1: Creating...
virtualbox_vm.vm1: Still creating... [10s elapsed]
virtualbox_vm.vm1: Still creating... [20s elapsed]
virtualbox_vm.vm1: Still creating... [30s elapsed]
virtualbox_vm.vm1: Still creating... [40s elapsed]
virtualbox_vm.vm1: Still creating... [50s elapsed]
virtualbox_vm.vm1: Still creating... [1m0s elapsed]
virtualbox_vm.vm1: Still creating... [1m10s elapsed]
virtualbox_vm.vm1: Still creating... [1m20s elapsed]
virtualbox_vm.vm1: Creation complete after 1m27s [id=d84a9930-e536-466c-a537-7d5964cc5ebb]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.

Outputs:
IPAddress = "192.168.56.108"

C:\terraform-virtualbox-vm>
```



```
Ubuntu [Работает] - Oracle VM VirtualBox
Файл  Машина  Вид  Ввод  Устройства  Справка
vagrant@debian:~$ hostnamectl
  Static hostname: debian
        Icon name: computer-vm
        Chassis: vm
  Machine ID: 7c67a22d6b984e96965014f3b84eced5
  Boot ID: 45a681bb4176450689ab91d931a42651
  Virtualization: oracle
  Operating System: Debian GNU/Linux 11 (bullseye)
         Kernel: Linux 5.10.0-11-amd64
  Architecture: x86-64
vagrant@debian:~$ _
```

Подключаемся по SSH

```
vagrant@debian: ~
vagrant@debian:~$ hostnamectl
  Static hostname: debian
        Icon name: computer-vm
        Chassis: vm
  Machine ID: 7c67a22d6b984e96965014f3b84eced5
  Boot ID: fbe7a24fa2664fbbba75cc8401e4efb76
  Virtualization: oracle
  Operating System: Debian GNU/Linux 11 (bullseye)
         Kernel: Linux 5.10.0-11-amd64
  Architecture: x86-64
vagrant@debian:~$ █
```