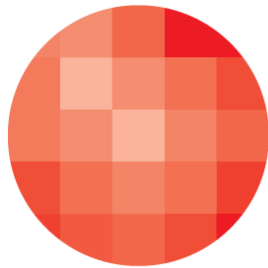


WARSZAWSKA WYŻSZA SZKOŁA INFORMATYKI  
SYSTEMY OPERACYJNE

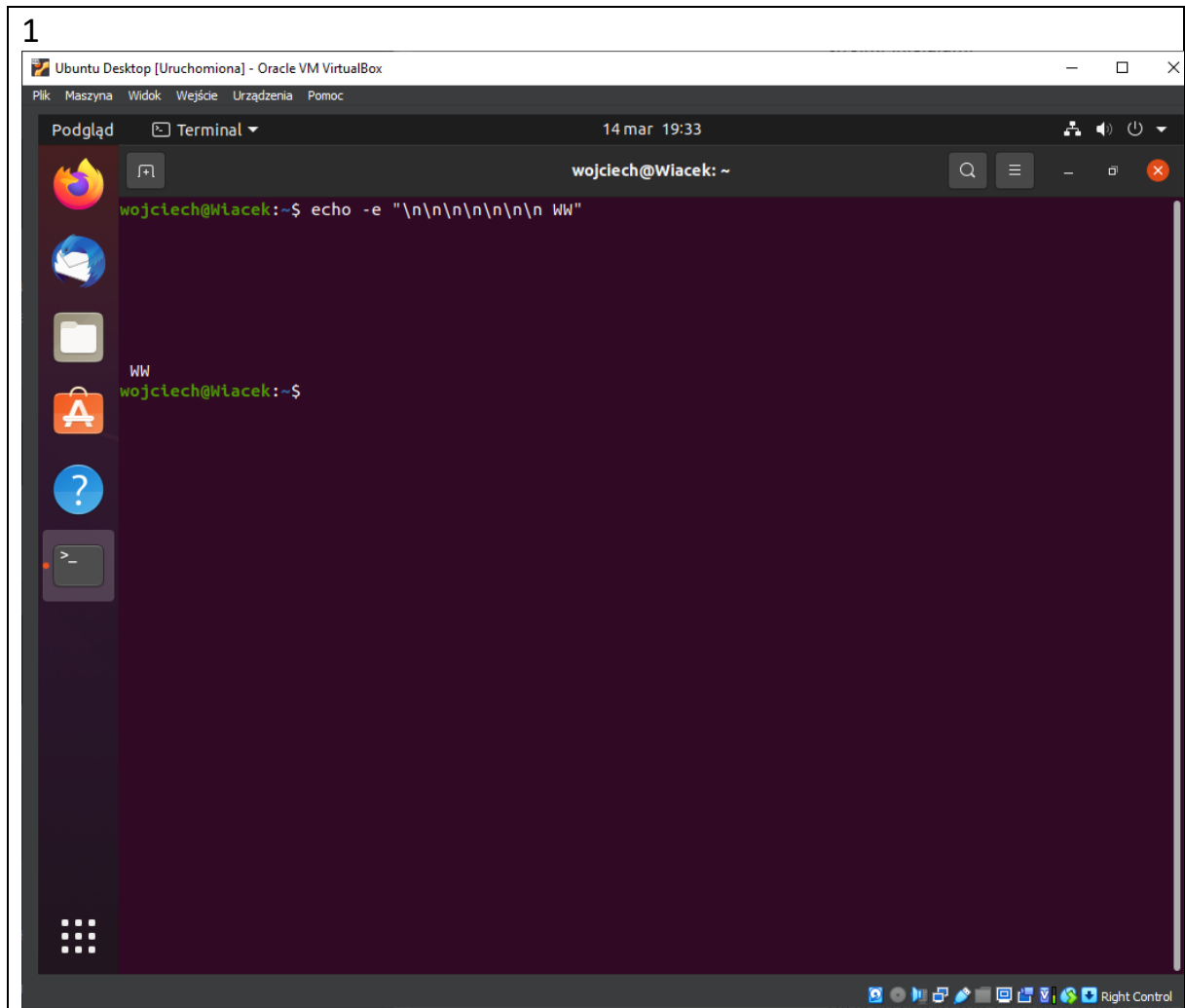


WARSZAWSKA  
WYŻSZA SZKOŁA  
INFORMATYKI

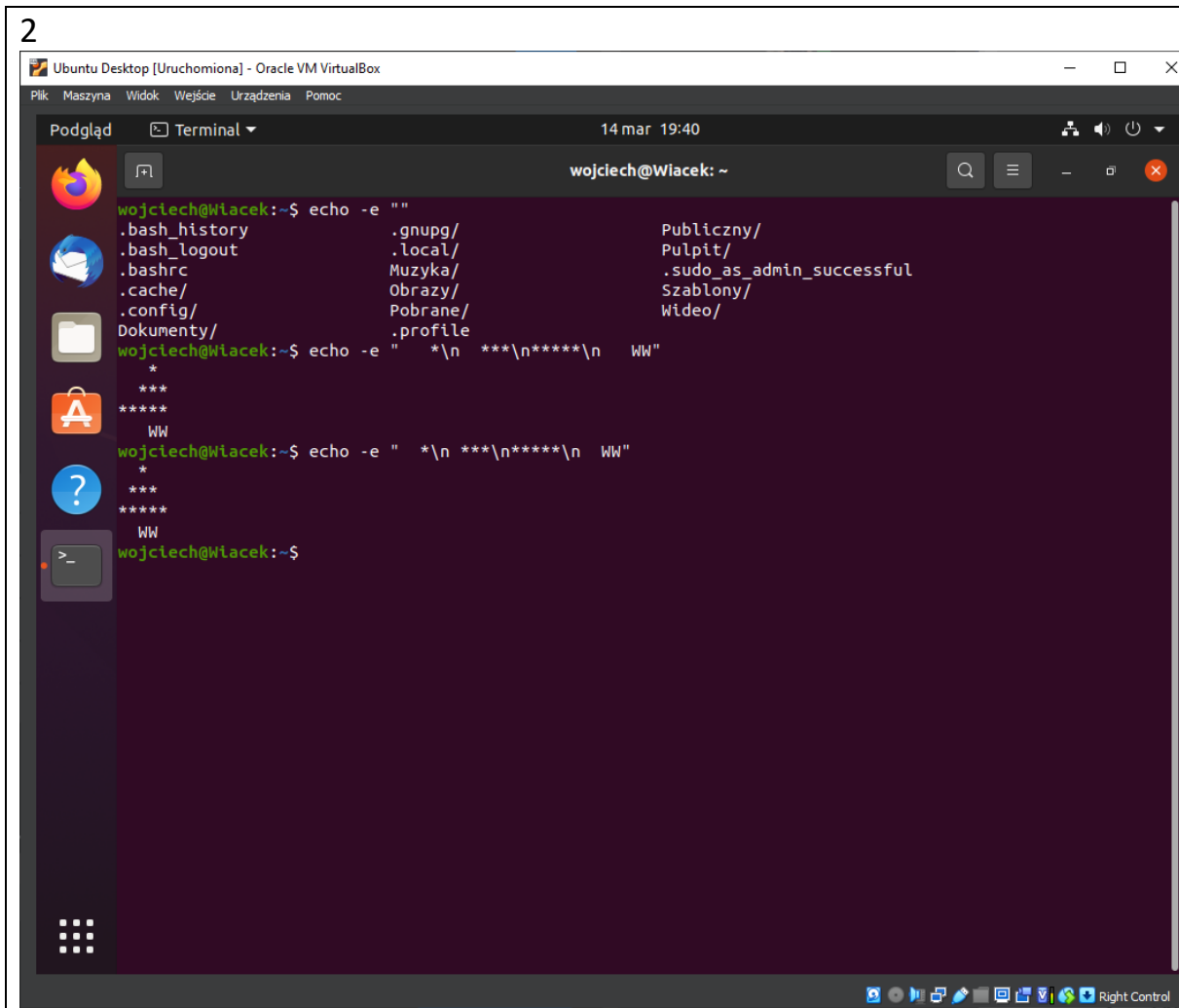
## Zadanie NR 1

Wykonał  
Wojciech Wiącek

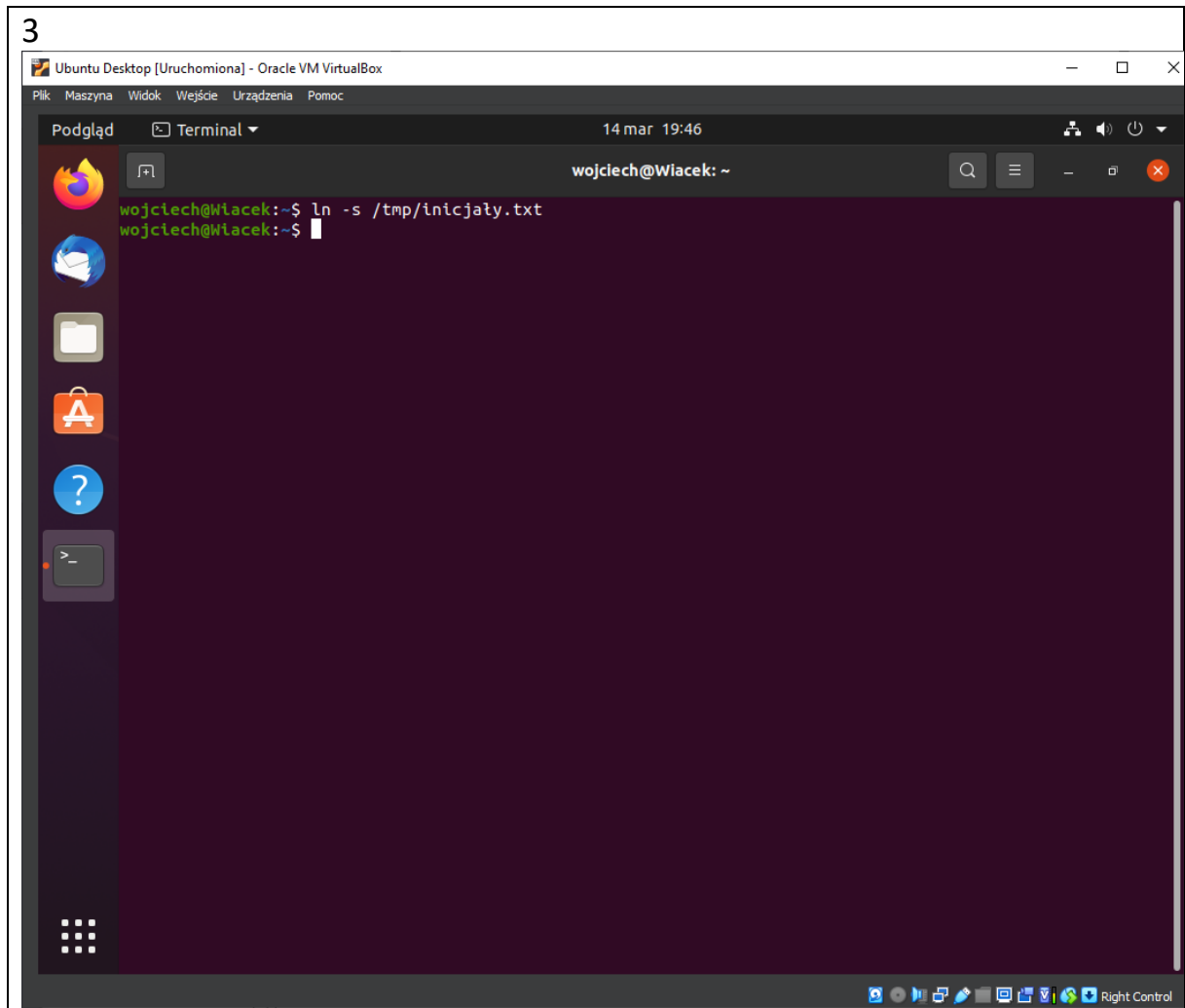
1



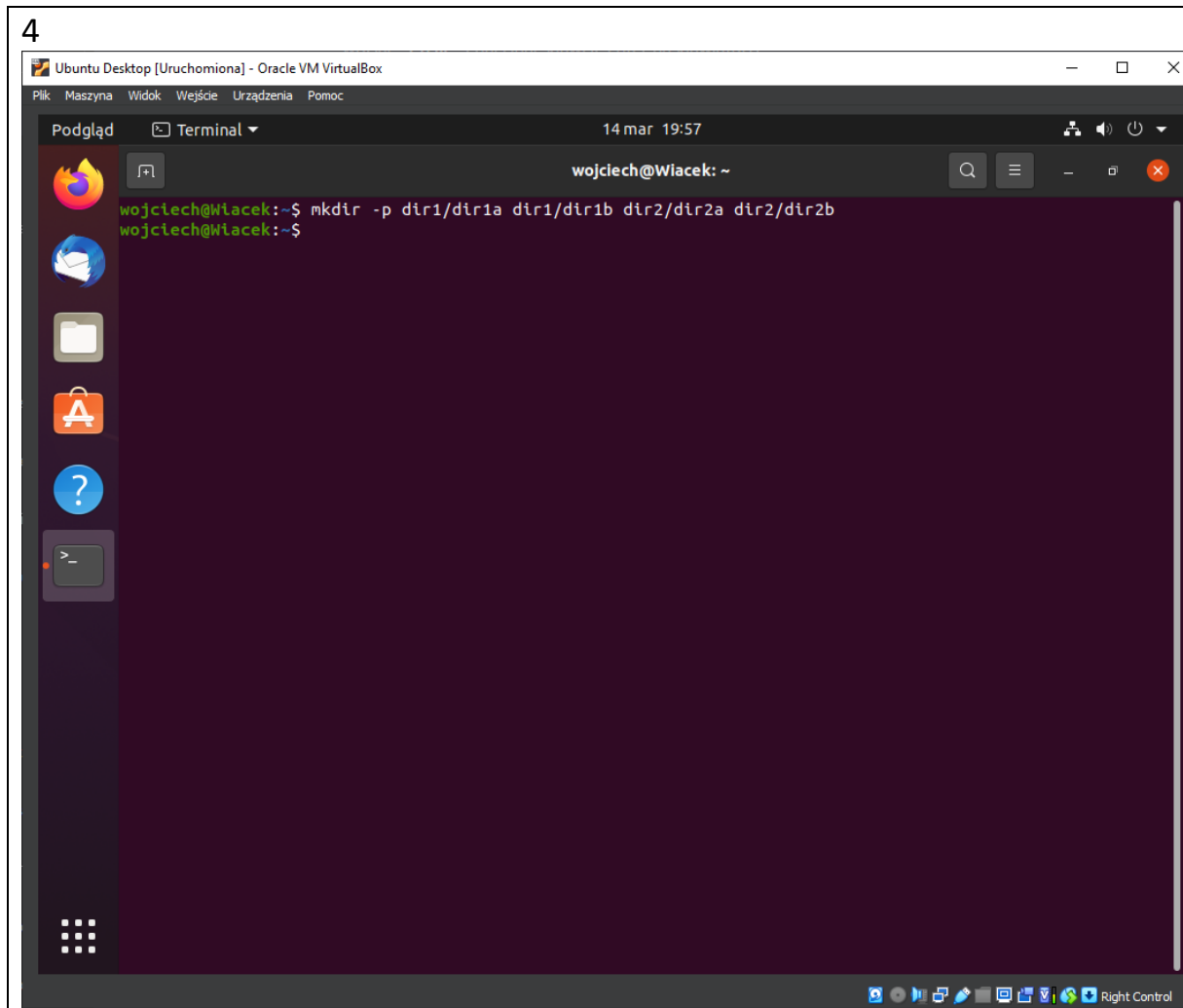
2



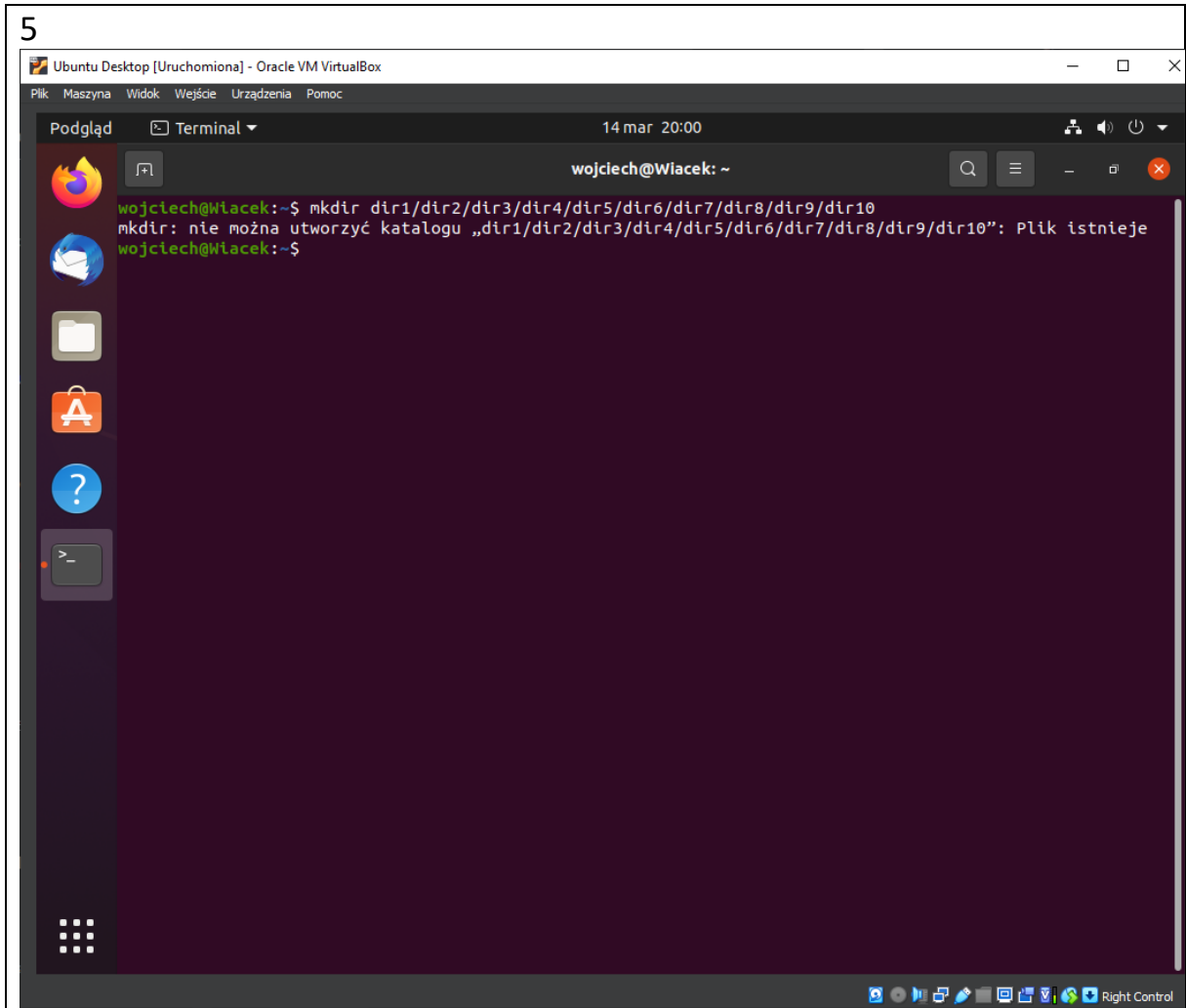
3



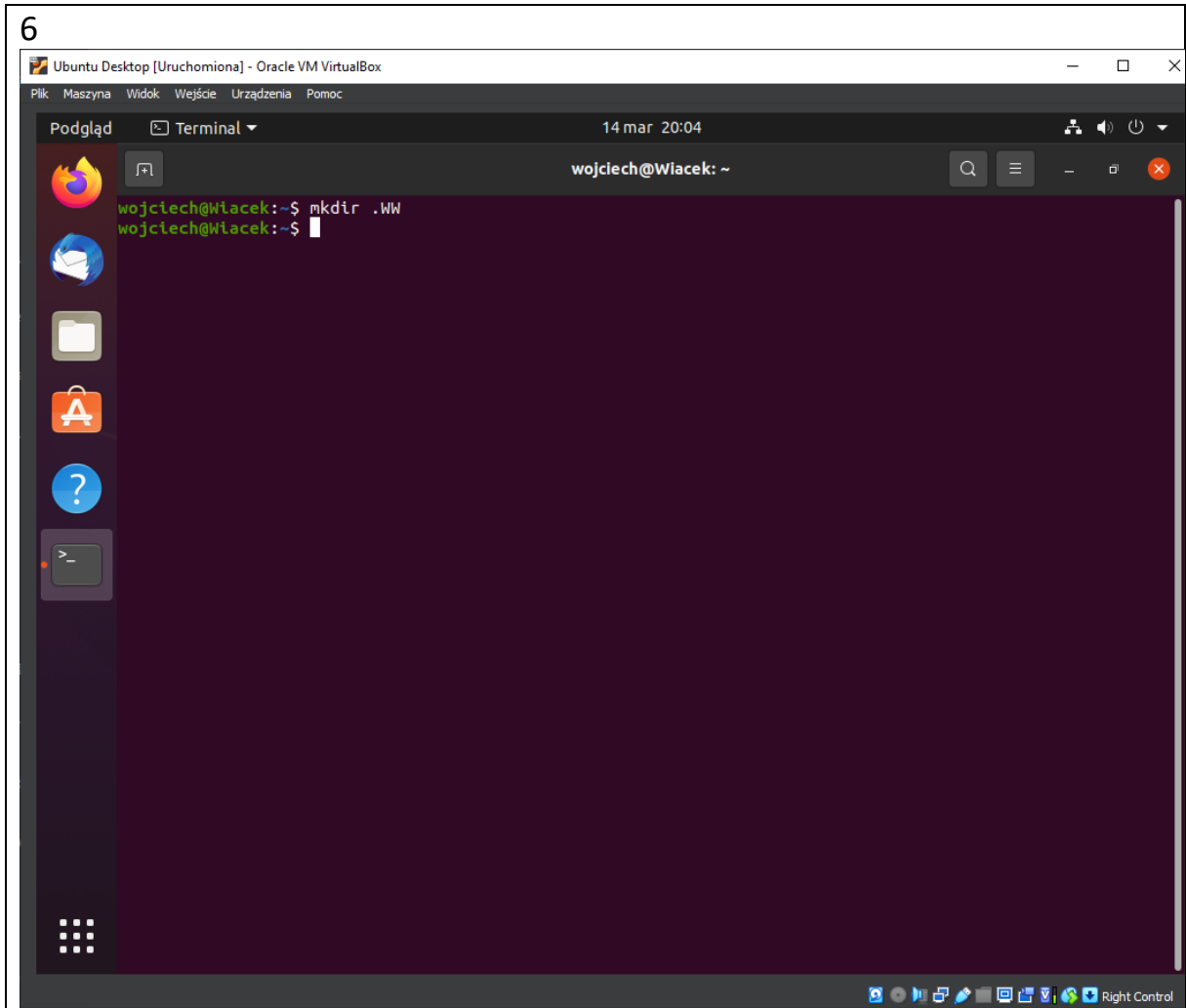
4

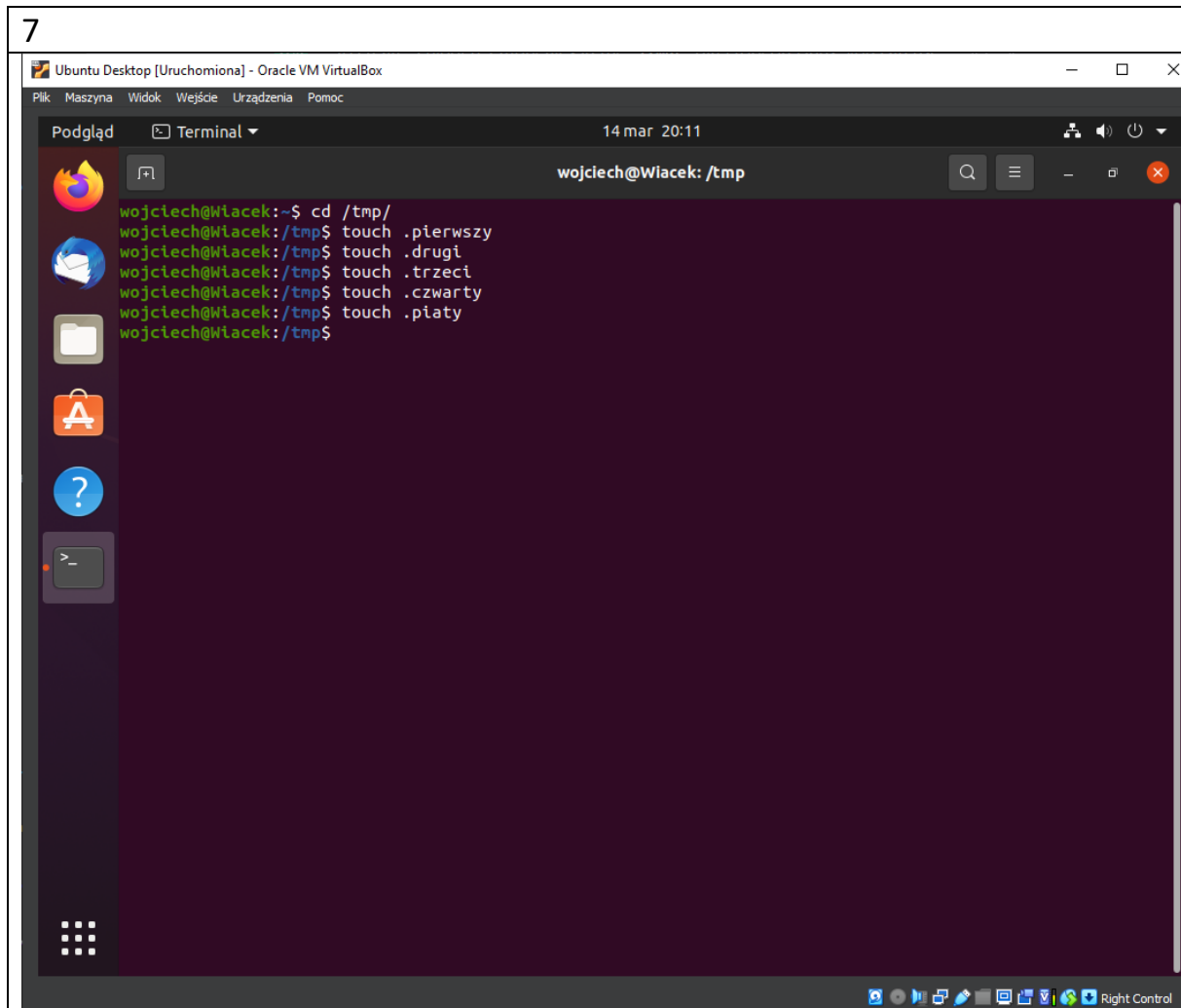


5

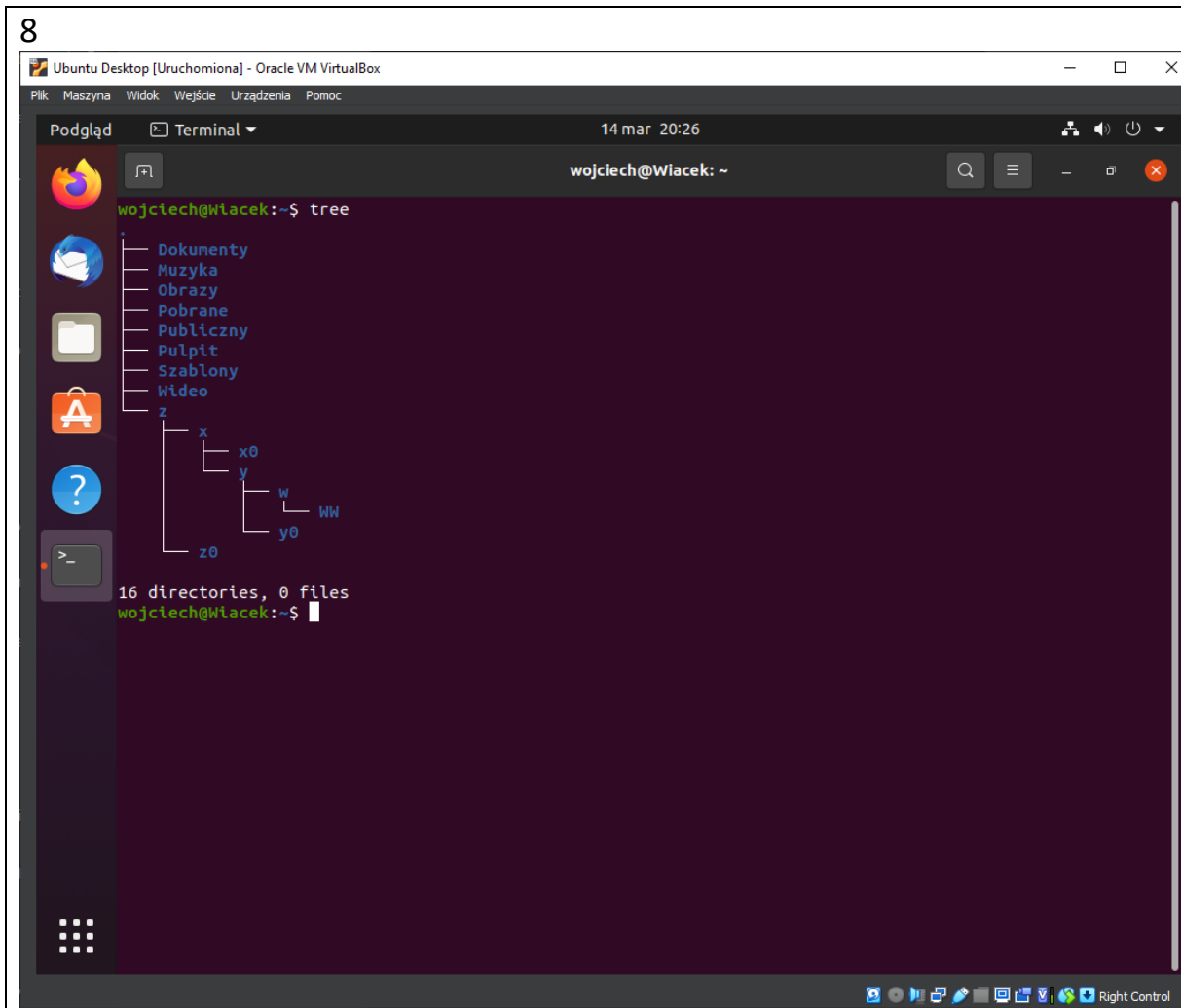


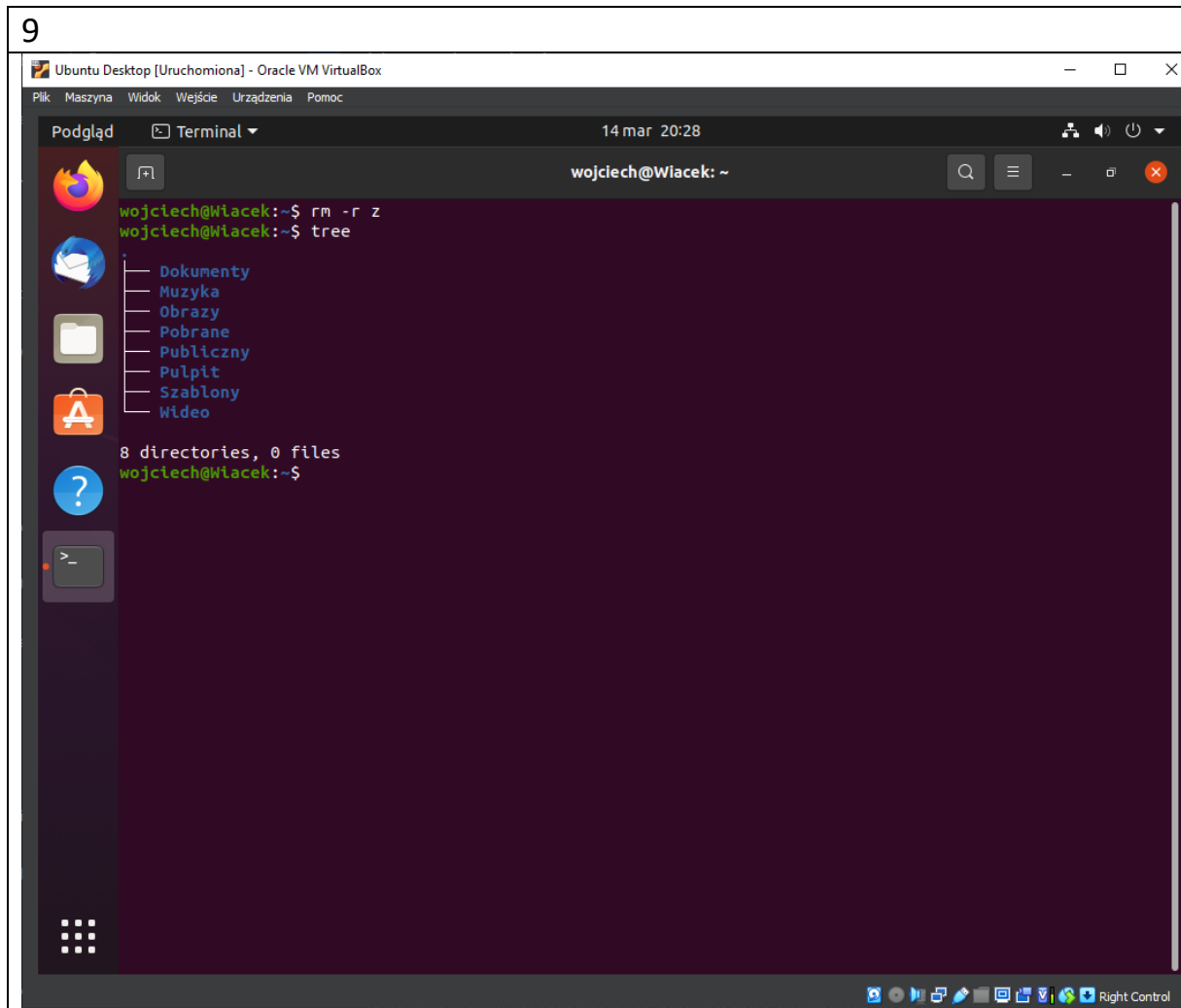
6

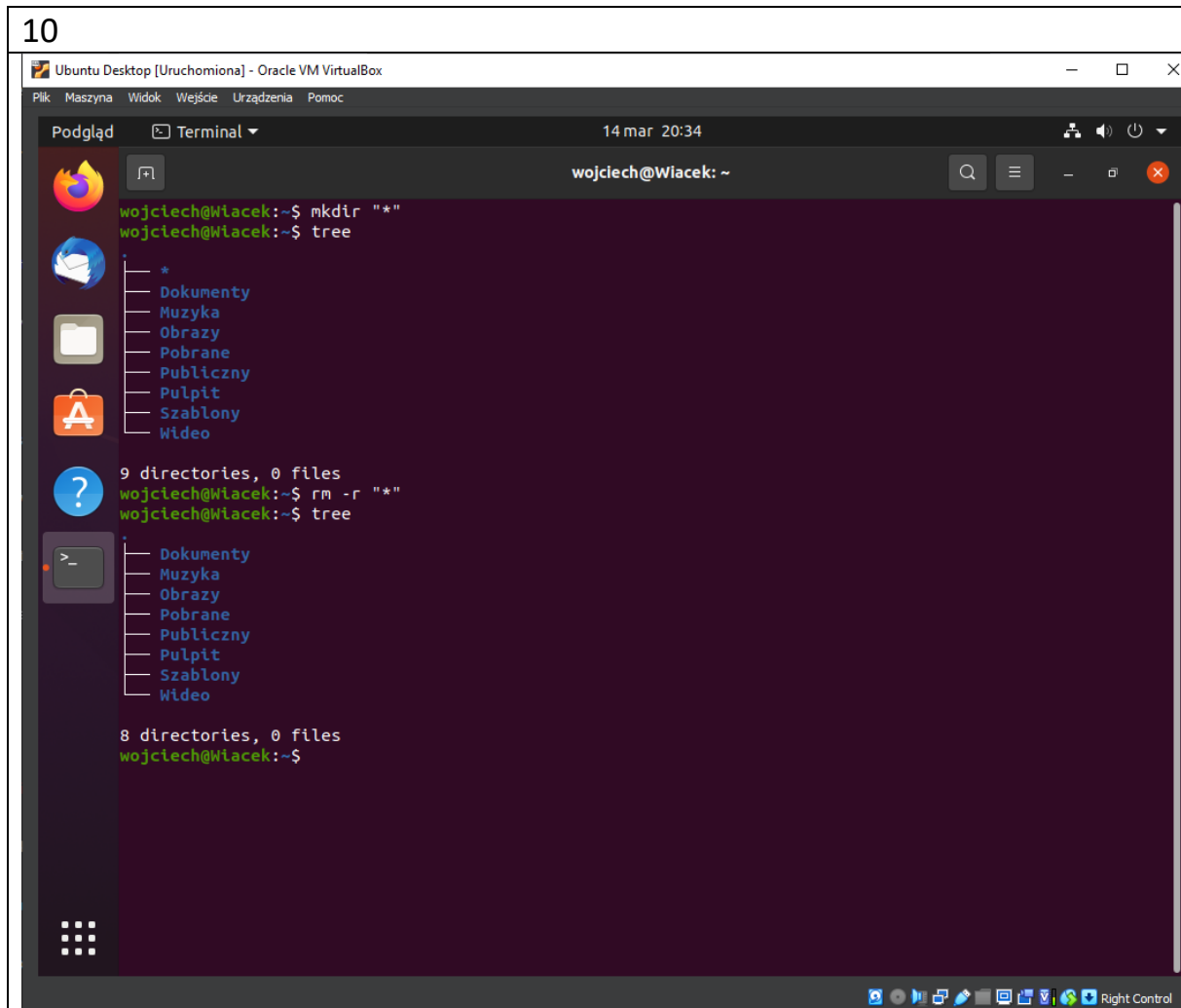


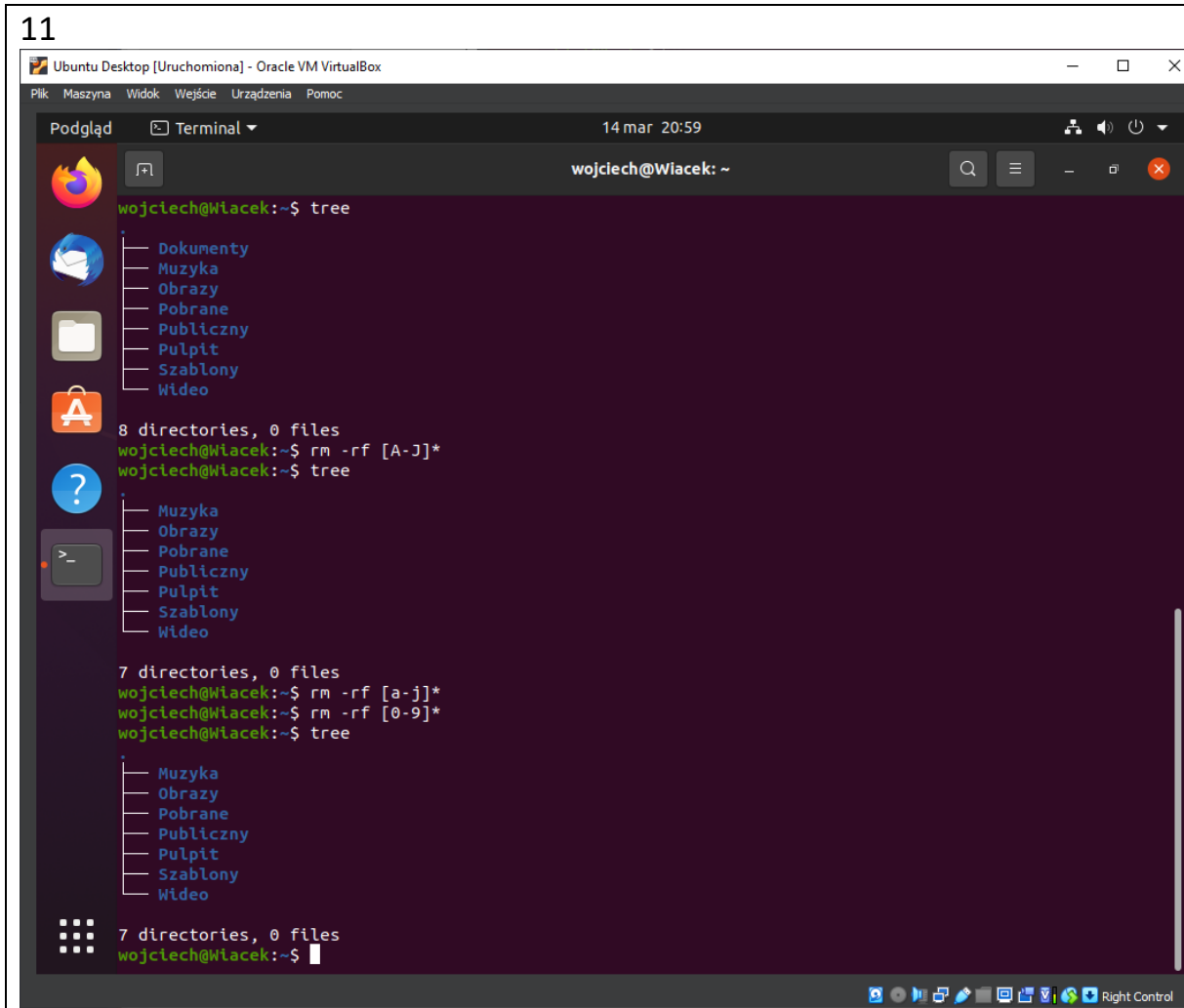


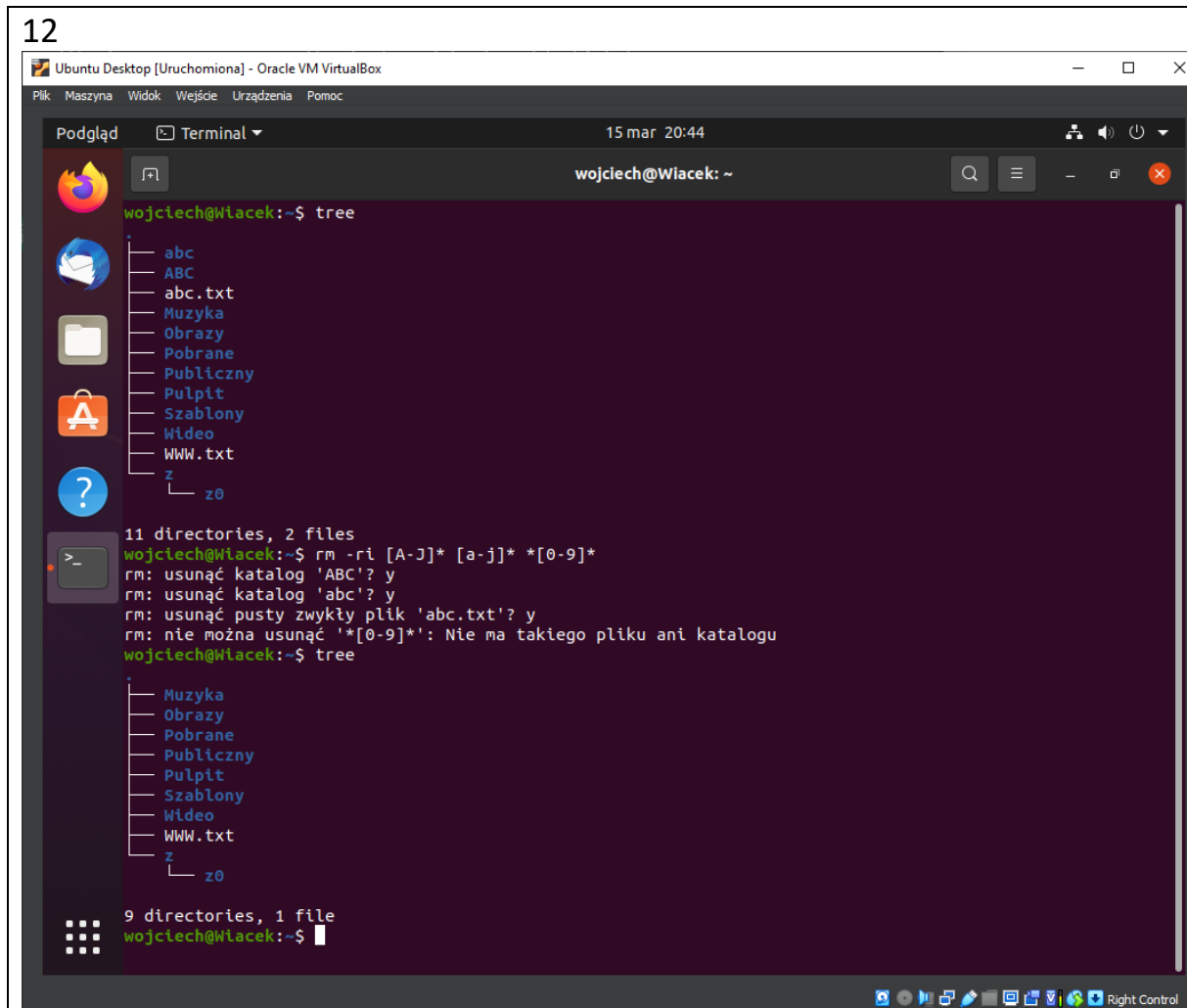


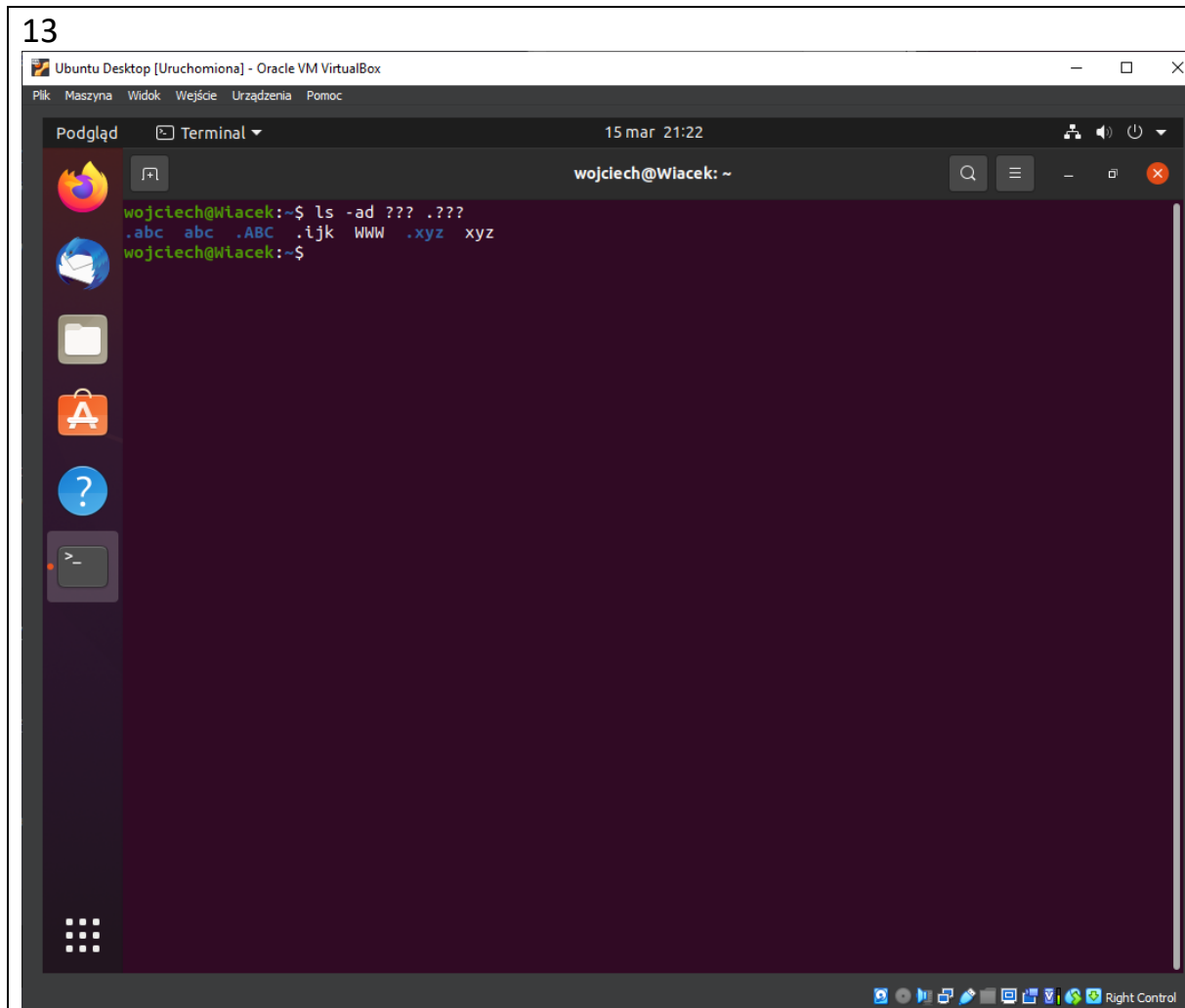












Ubuntu Desktop [Uruchomiona] - Oracle VM VirtualBox

Plik Maszyna Widok Wejście Urządzenia Pomoc

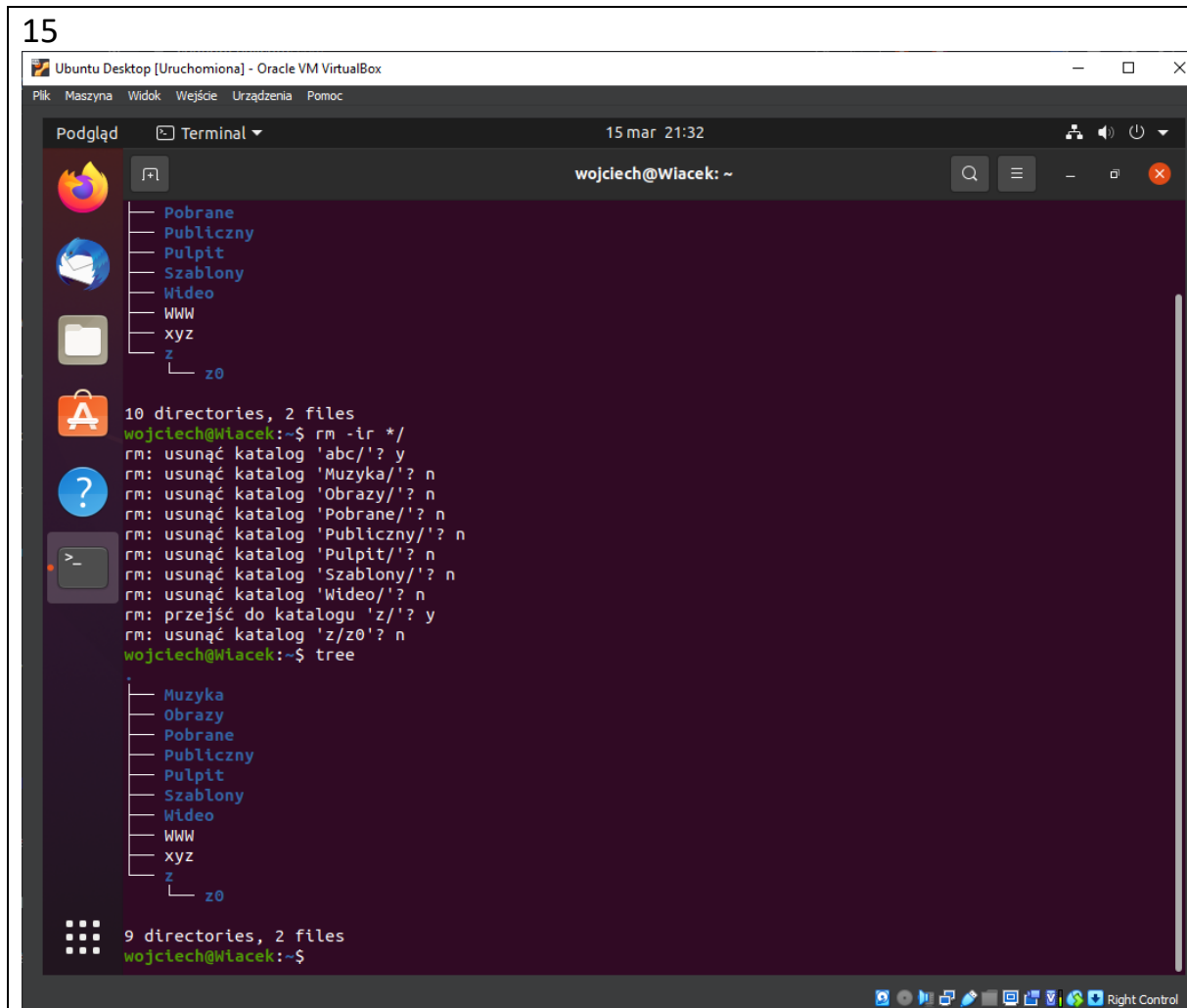
Podgląd Terminal 15 mar 21:28 wojciech@Wiacek: ~

```

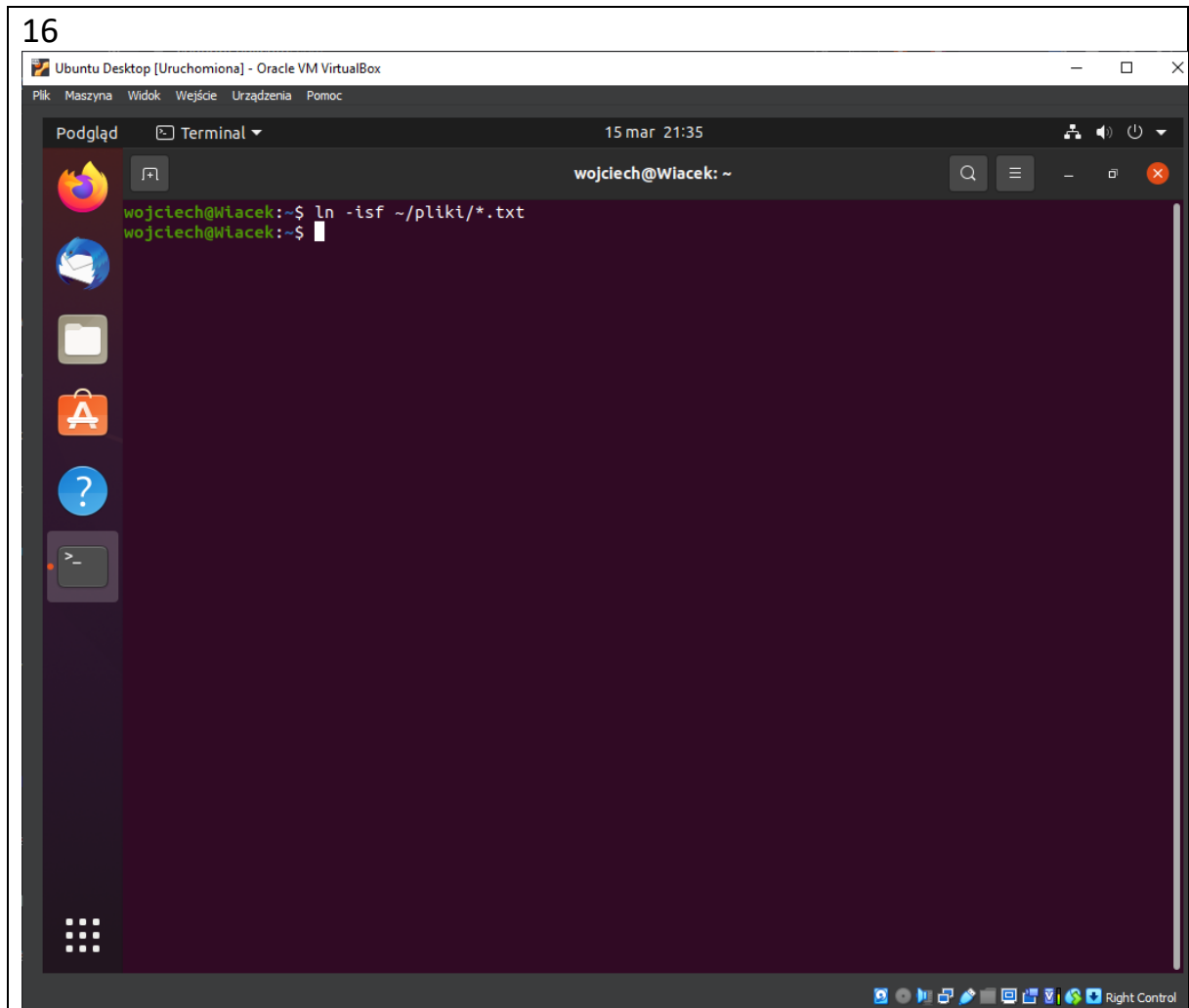
wojciech@Wiacek:~$ ls -alRX /tmp/ | grep "m"
ls: nie można otworzyć katalogu '/tmp/snap-private-tmp': Brak dostępu
/tmp/:
razem 72
-rw----- 1 wojciech wojciech  0 mar 15 20:30 config-err-Cdply7
drwx----- 2 root root 4096 mar 15 20:30 snap-private-tmp
drwx----- 2 wojciech wojciech 4096 mar 15 20:30 ssh-DFVD9C4hz7yP
drwxrwxrwt 2 root root 4096 mar 15 20:30 VMwareDnD
drwxrwxrwt 18 root root 4096 mar 15 21:21 .
drwxr-xr-x 20 root root 4096 mar 13 17:28 ..
drwx----- 2 wojciech wojciech 4096 mar 15 20:30 tracker-extract-files.1000
drwxrwxrwt 2 root root 4096 mar 15 20:30 .font-unix
drwxrwxrwt 2 root root 4096 mar 15 20:30 .ICE-unix
drwx----- 3 root root 4096 mar 15 20:30 systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-switcheroo-control.service-akXDqf
drwx----- 3 root root 4096 mar 15 20:30 systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-systemd-logind.service-fJKWQe
drwx----- 3 root root 4096 mar 15 20:30 systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-systemd-resolved.service-ghgdwg
drwx----- 3 root root 4096 mar 15 20:30 systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-color.service-kFZi4f
drwx----- 3 root root 4096 mar 15 20:30 systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-ModemManager.service-tLcW3g
drwx----- 3 root root 4096 mar 15 20:30 systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-upower.service-xSjhAh
drwx----- 3 root root 4096 mar 15 20:30 systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-systemd-timesyncd.service-ywcxg
drwxrwxrwt 2 root root 4096 mar 15 20:30 .Test-unix
drwxrwxrwt 2 root root 4096 mar 15 20:30 .X11-unix
drwxrwxrwt 2 root root 4096 mar 15 20:30 .XIM-unix
ls: nie można otworzyć katalogu '/tmp/systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-switcheroo-control.service-akXDqf': Brak dostępu
ls: nie można otworzyć katalogu '/tmp/systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-systemd-logind.service-fJKWQe': Brak dostępu
ls: nie można otworzyć katalogu '/tmp/systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-systemd-resolved.service-ghgdwg': Brak dostępu
ls: nie można otworzyć katalogu '/tmp/systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-color.service-kFZi4f': Brak dostępu

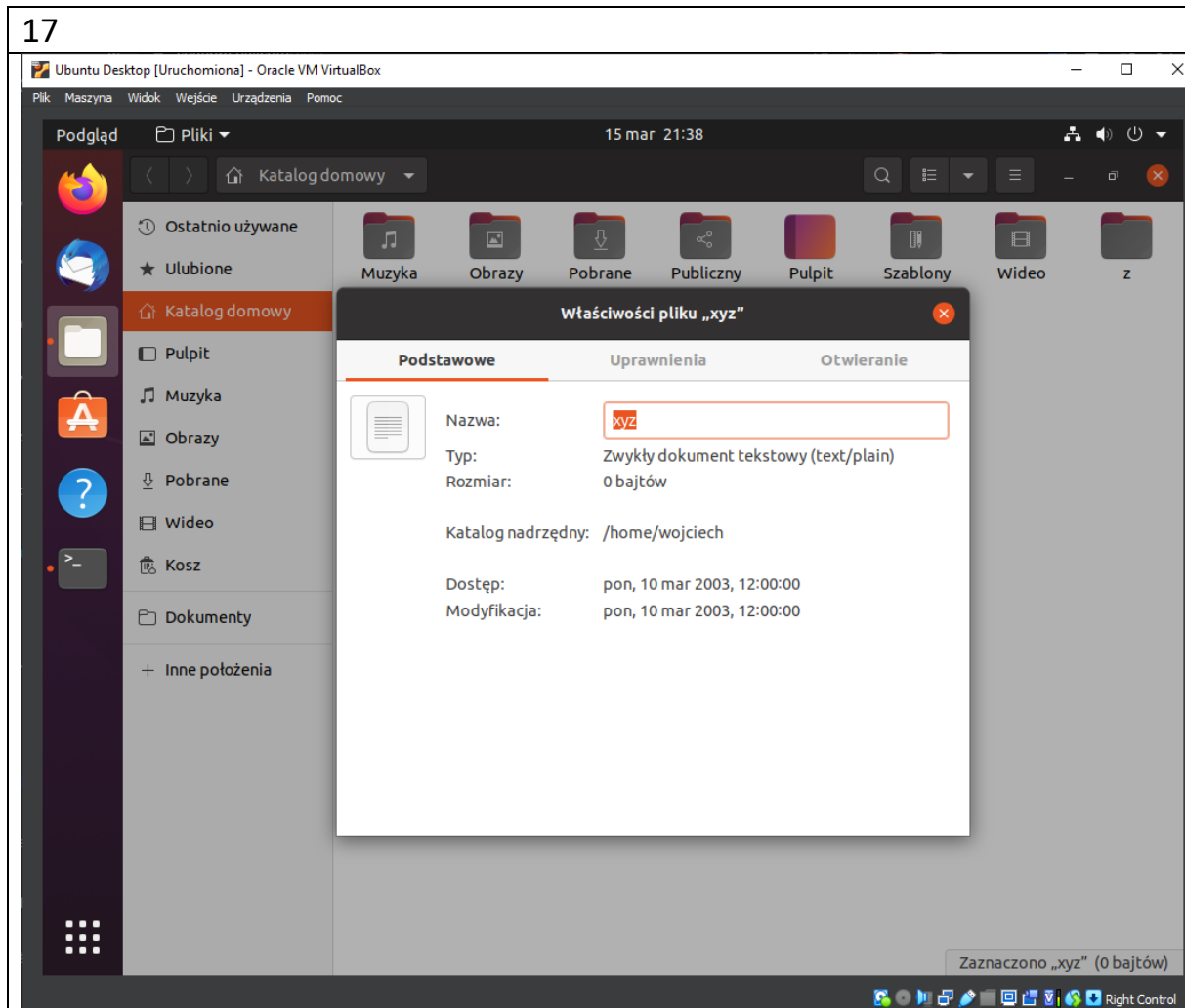
```

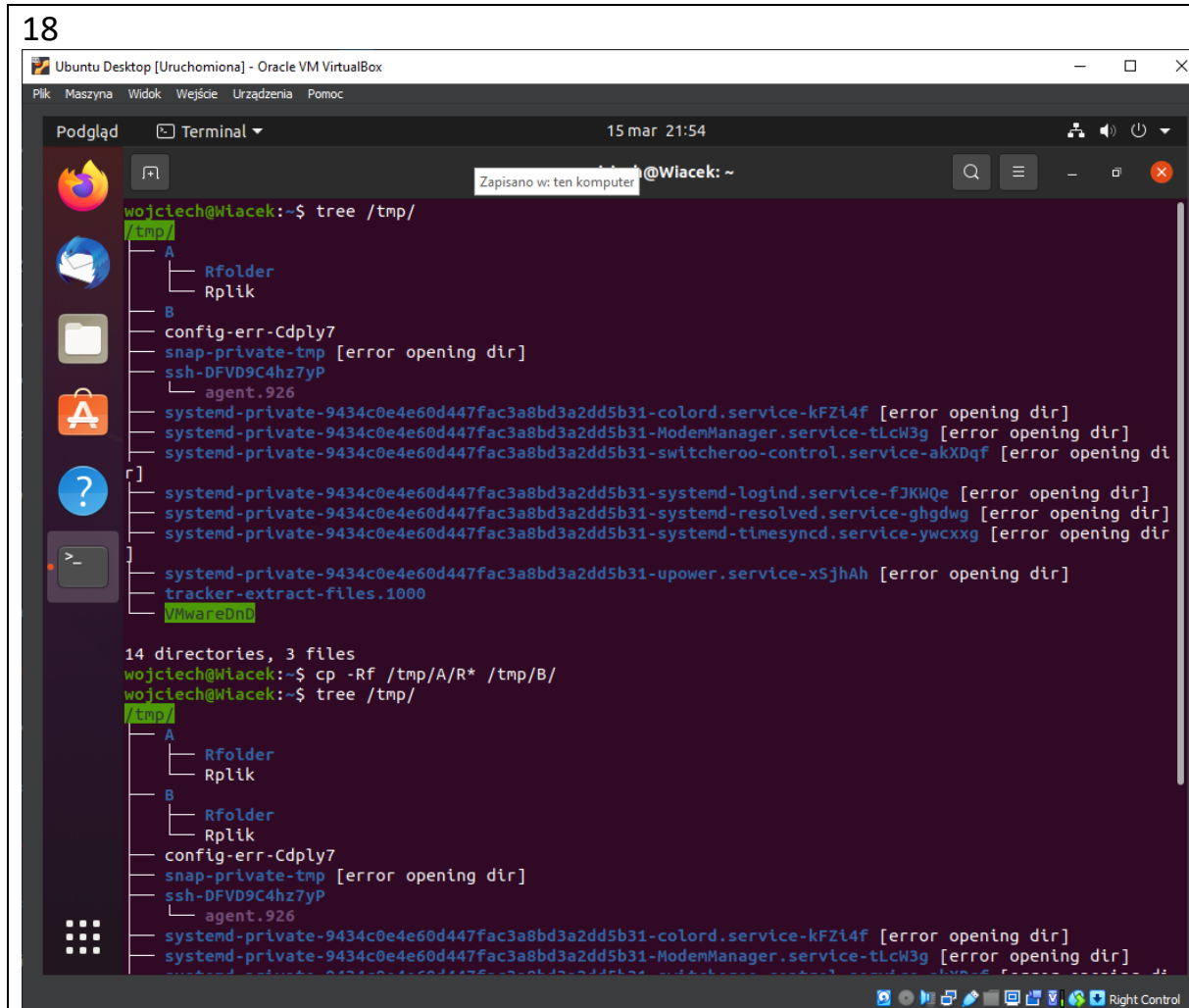
Right Control











Ubuntu Desktop [Uruchomiona] - Oracle VM VirtualBox

Plik Maszyna Widok Wejście Urządzenia Pomoc

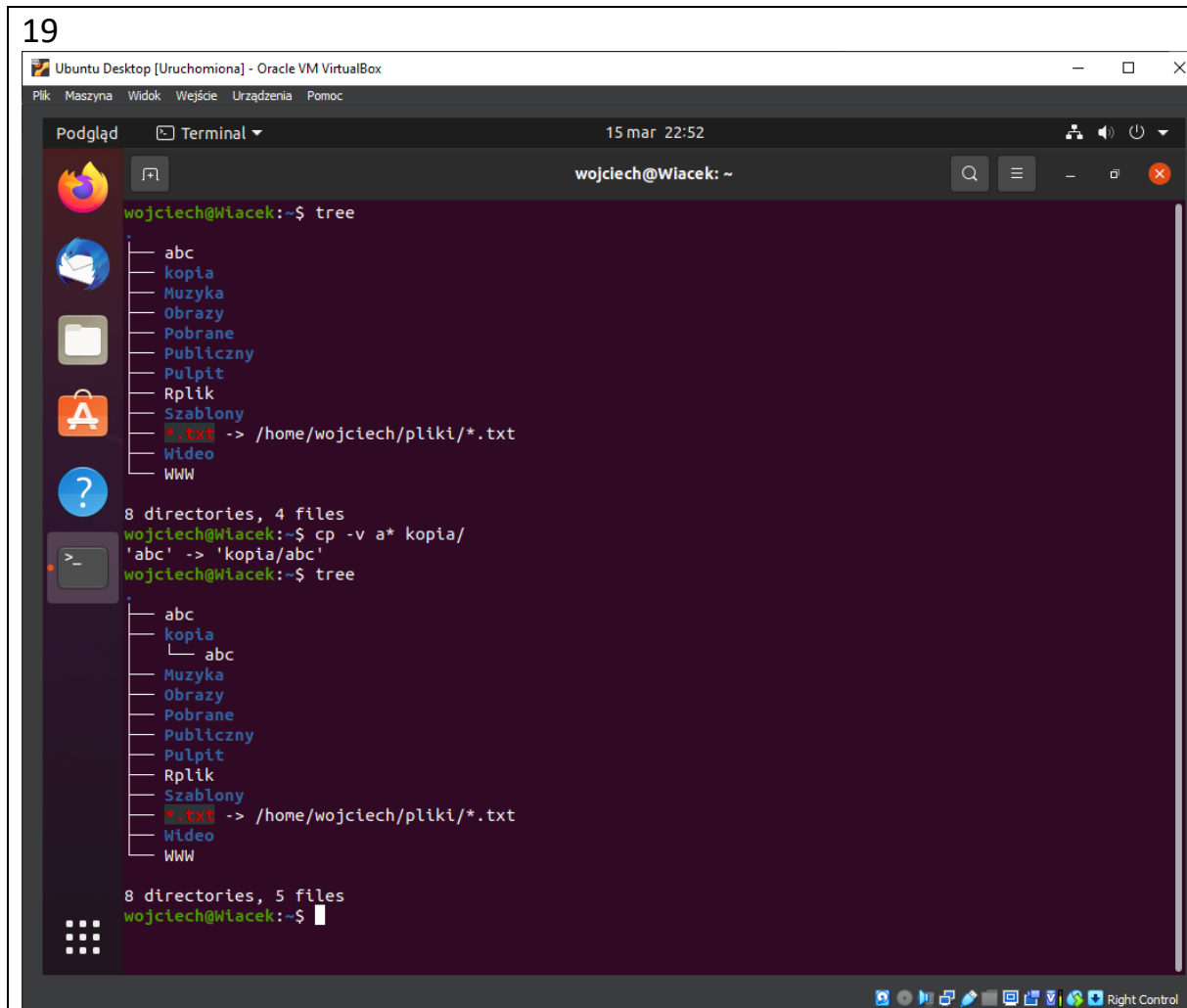
Podgląd Terminal 15 mar 21:54

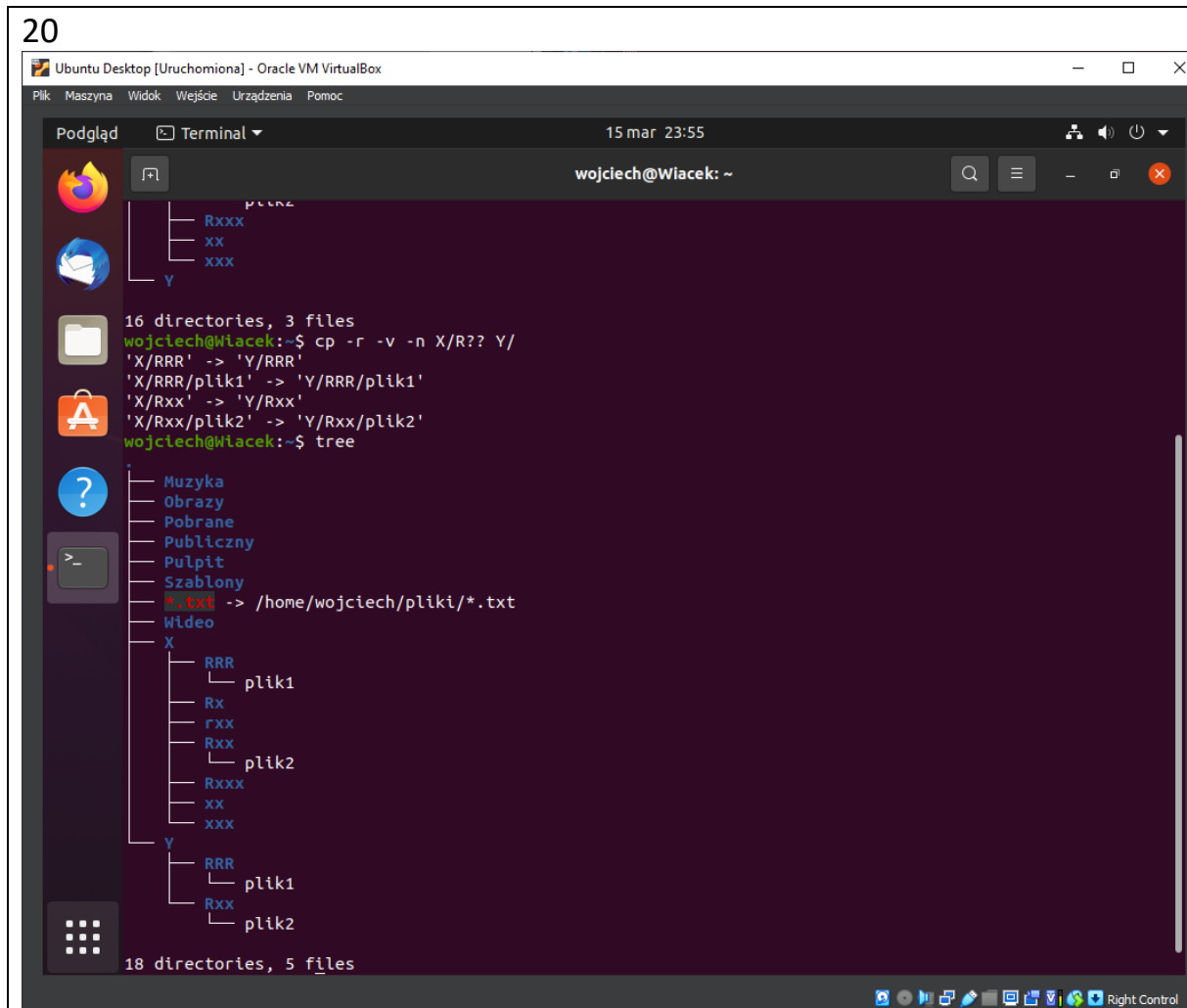
Zapisano w: ten komputer @Wiacek: ~

```
wojciech@Wiacek:~$ tree /tmp/
/tmp/
├── A
│   ├── Rfolder
│   └── Rplik
├── B
│   ├── config-err-Cdply7
│   ├── snap-private-tmp [error opening dir]
│   ├── ssh-DFVD9C4hz7yP
│   │   └── agent.926
│   ├── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-colord.service-kFZi4f [error opening dir]
│   ├── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-ModemManager.service-tLcW3g [error opening dir]
│   ├── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-switcheroo-control.service-akXDqf [error opening dir]
│   └── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-systemd-logind.service-fJKWQe [error opening dir]
└── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-systemd-resolved.service-ghgdwg [error opening dir]
    ├── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-systemd-timesyncd.service-ywcxxg [error opening dir]
    ├── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-upower.service-xSjhAh [error opening dir]
    ├── tracker-extract-files.1000
    └── VMwareDnD

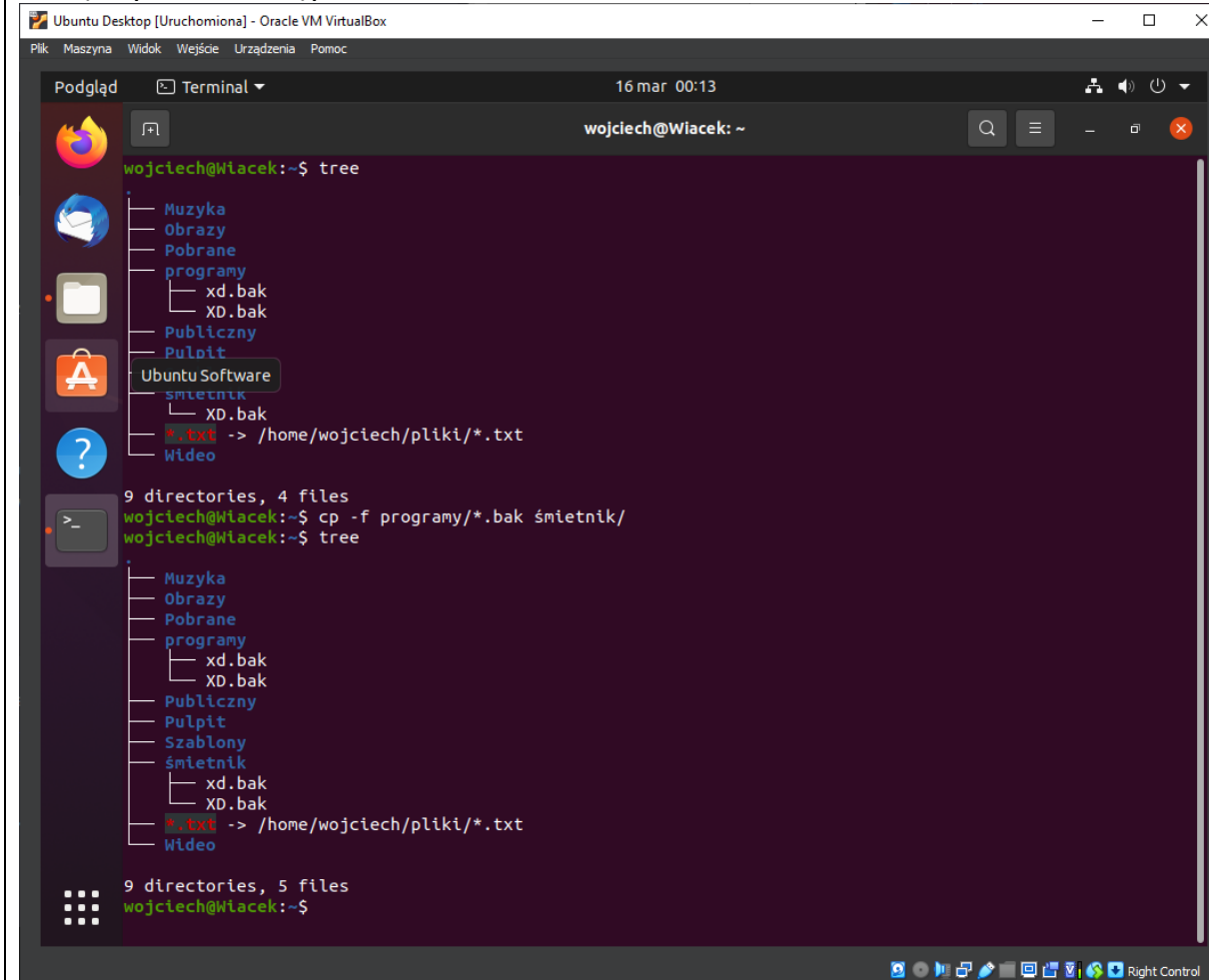
14 directories, 3 files
wojciech@Wiacek:~$ cp -Rf /tmp/A/R* /tmp/B/
wojciech@Wiacek:~$ tree /tmp/
/tmp/
├── A
│   ├── Rfolder
│   └── Rplik
├── B
│   ├── Rfolder
│   ├── Rplik
│   ├── config-err-Cdply7
│   ├── snap-private-tmp [error opening dir]
│   ├── ssh-DFVD9C4hz7yP
│   │   └── agent.926
│   ├── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-colord.service-kFZi4f [error opening dir]
│   ├── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-ModemManager.service-tLcW3g [error opening dir]
│   ├── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-switcheroo-control.service-akXDqf [error opening dir]
│   └── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-systemd-logind.service-fJKWQe [error opening dir]
└── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-systemd-resolved.service-ghgdwg [error opening dir]
    ├── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-systemd-timesyncd.service-ywcxxg [error opening dir]
    ├── systemd-private-9434c0e4e60d447fac3a8bd3a2dd5b31-upower.service-xSjhAh [error opening dir]
    ├── tracker-extract-files.1000
    └── VMwareDnD
```

Right Control





## 21 1) kopiowanie 2) przenoszenie



The screenshot shows an Ubuntu Desktop environment within an Oracle VM VirtualBox. The desktop has a sidebar with icons for applications like Firefox, Mail, Files, and the Software Center. A terminal window is open, displaying the following commands and output:

```
wojciech@Wiacek:~$ tree
.
├── Muzyka
├── Obrazy
├── Pobrane
├── programy
│   ├── xd.bak
│   └── XD.bak
├── Publiczny
├── Pulpit
├── Ubuntu Software
├── śmietnik
│   └── XD.bak
├── *.txt -> /home/wojciech/pliki/*.txt
└── Wideo

9 directories, 4 files
wojciech@Wiacek:~$ cp -f programy/*.bak śmietnik/
wojciech@Wiacek:~$ tree
.
├── Muzyka
├── Obrazy
├── Pobrane
├── programy
│   ├── xd.bak
│   └── XD.bak
├── Publiczny
├── Pulpit
├── Szablony
├── śmietnik
│   ├── xd.bak
│   └── XD.bak
├── *.txt -> /home/wojciech/pliki/*.txt
└── Wideo

9 directories, 5 files
wojciech@Wiacek:~$
```

The terminal window title is "wojciech@Wiacek: ~". The date and time in the top right corner of the terminal are "16 mar 00:13". The bottom of the desktop shows a taskbar with various system icons and a "Right Control" button.

