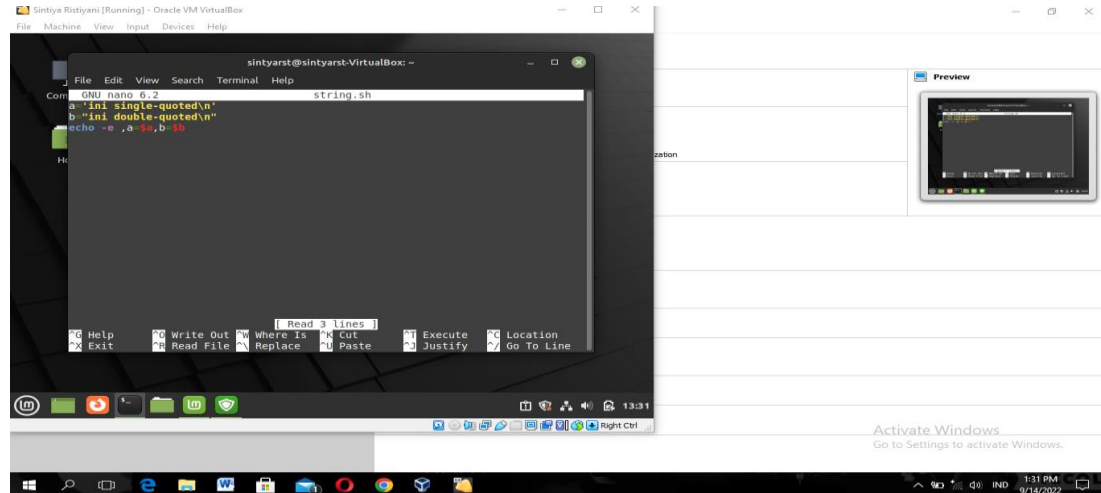


NAMA : SINTIYA RISTIYANI

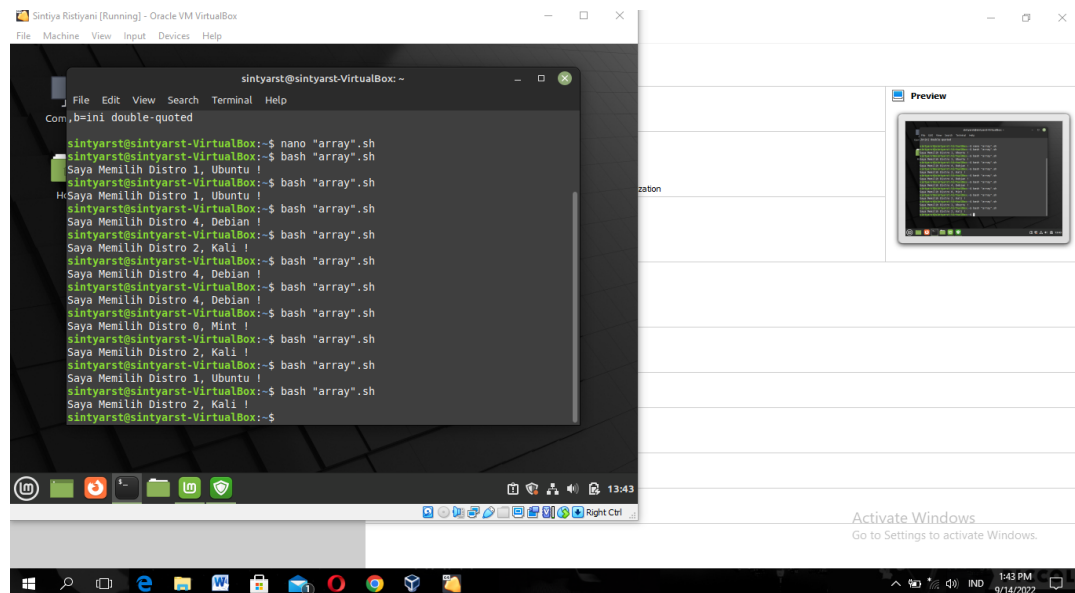
NPM : 21083010103

1. String

String (single-quoted) dan (double-quoted)



```
sintyarst@sintyarst-VirtualBox: ~  
File Machine View Input Devices Help  
GNU nano 6.2 string.sh  
a='ini single-quoted\n'  
b='ini double-quoted\n'  
echo -e ,a $a,b $b  
Help Write Out Where Is Cut Execute Location  
Exit Read File Replace Undo Paste Justify Go To Line  
Read 3 lines
```



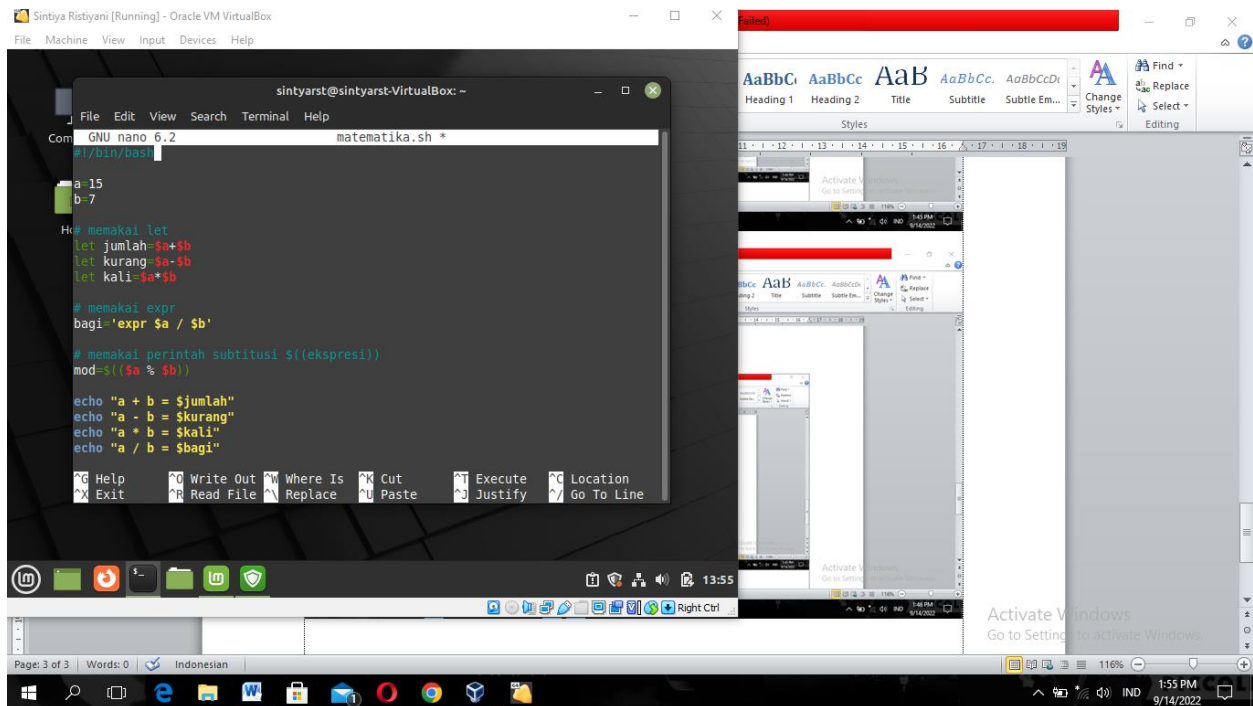
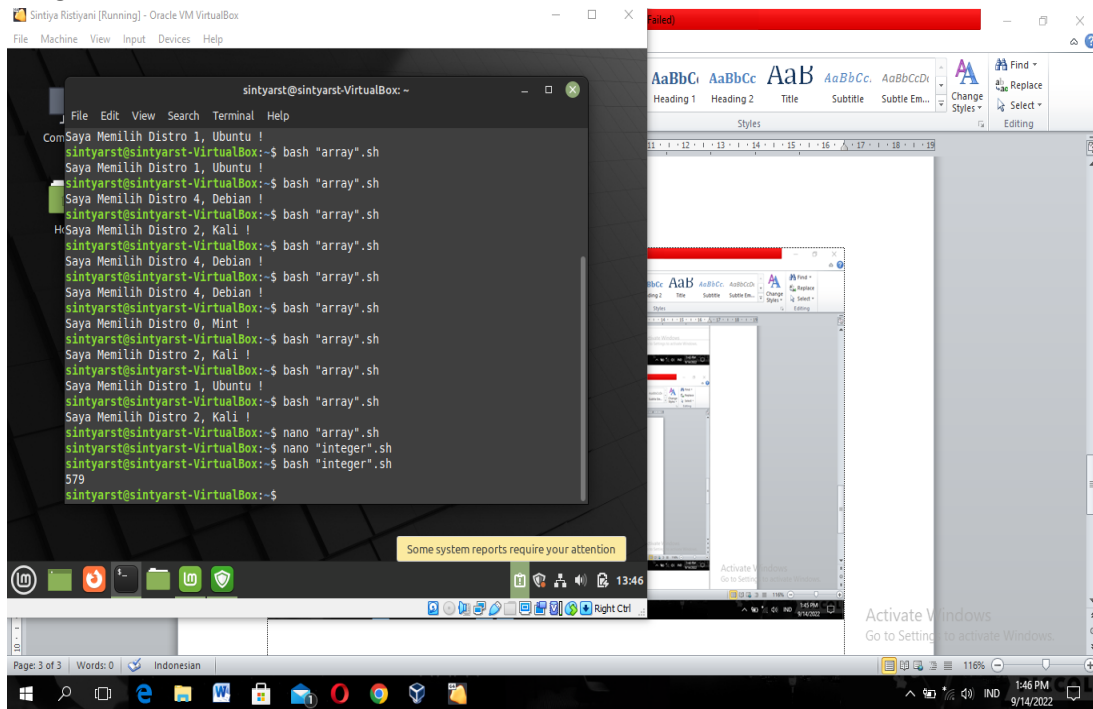
```
sintyarst@sintyarst-VirtualBox: ~  
File Machine View Input Devices Help  
Com, b=ini double-quoted  
sintyarst@sintyarst-VirtualBox:~$ nano "array".sh  
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh  
Saya Memilih Distro 1, Ubuntu !  
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh  
Saya Memilih Distro 1, Ubuntu !  
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh  
Saya Memilih Distro 4, Debian !  
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh  
Saya Memilih Distro 2, Kali !  
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh  
Saya Memilih Distro 4, Debian !  
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh  
Saya Memilih Distro 4, Debian !  
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh  
Saya Memilih Distro 0, Mint !  
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh  
Saya Memilih Distro 2, Kali !  
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh  
Saya Memilih Distro 1, Ubuntu !  
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh  
Saya Memilih Distro 2, Kali !  
sintyarst@sintyarst-VirtualBox:~$
```

2. array

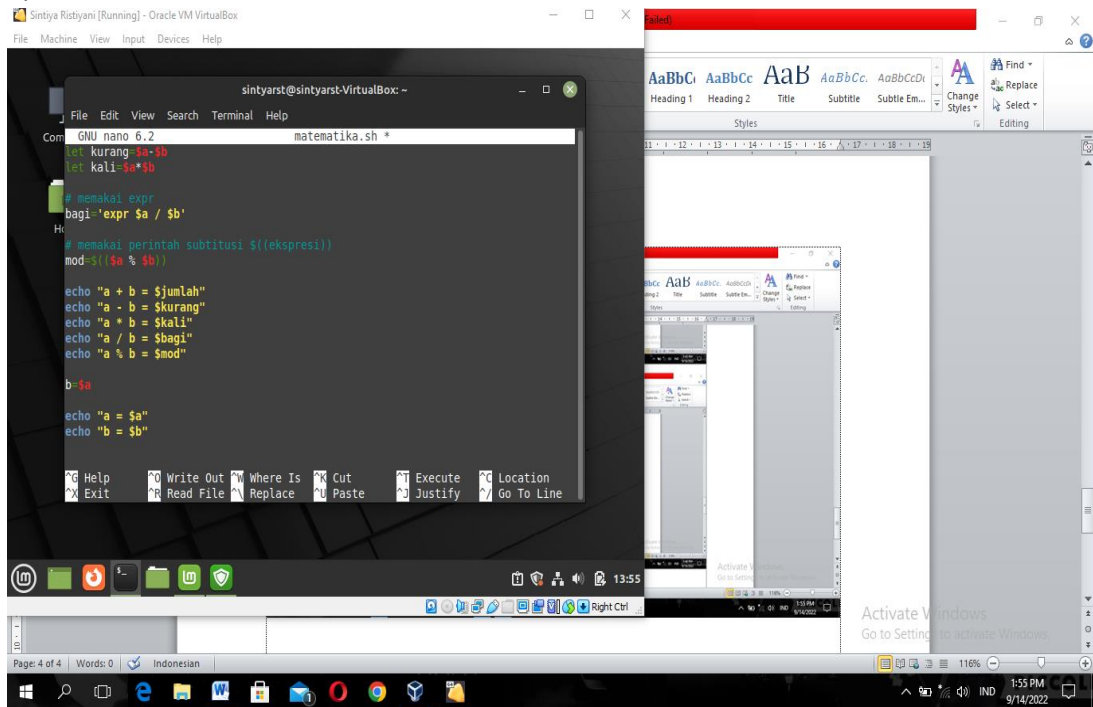
```
sintyarst@sintyarst-VirtualBox: ~  
GNU nano 6.2 array.sh  
#!/bin/bash  
  
# deklarasi array  
distroLinux=(\"Ubuntu\" \"Kali\" \"Arch\" \"Debian\")  
  
Hk random distro  
let pilih $RANDOM%5  
  
# eksekusi  
echo \"Saya Memilih Distro $pilih, ${distroLinux[$pilih]} !\"  
  
Help Exit Write Out Read File Where Is Replace Cut Paste Execute Justify Location Go To Line
```

```
sintyarst@sintyarst-VirtualBox: ~  
GNU nano 6.2 integer.sh *  
a=123  
b=456  
let c=a+b  
echo $c  
  
Help Exit Write Out Read File Where Is Replace Cut Paste Execute Justify Location Go To Line  
Welcome to the Update Manager
```

3. integer



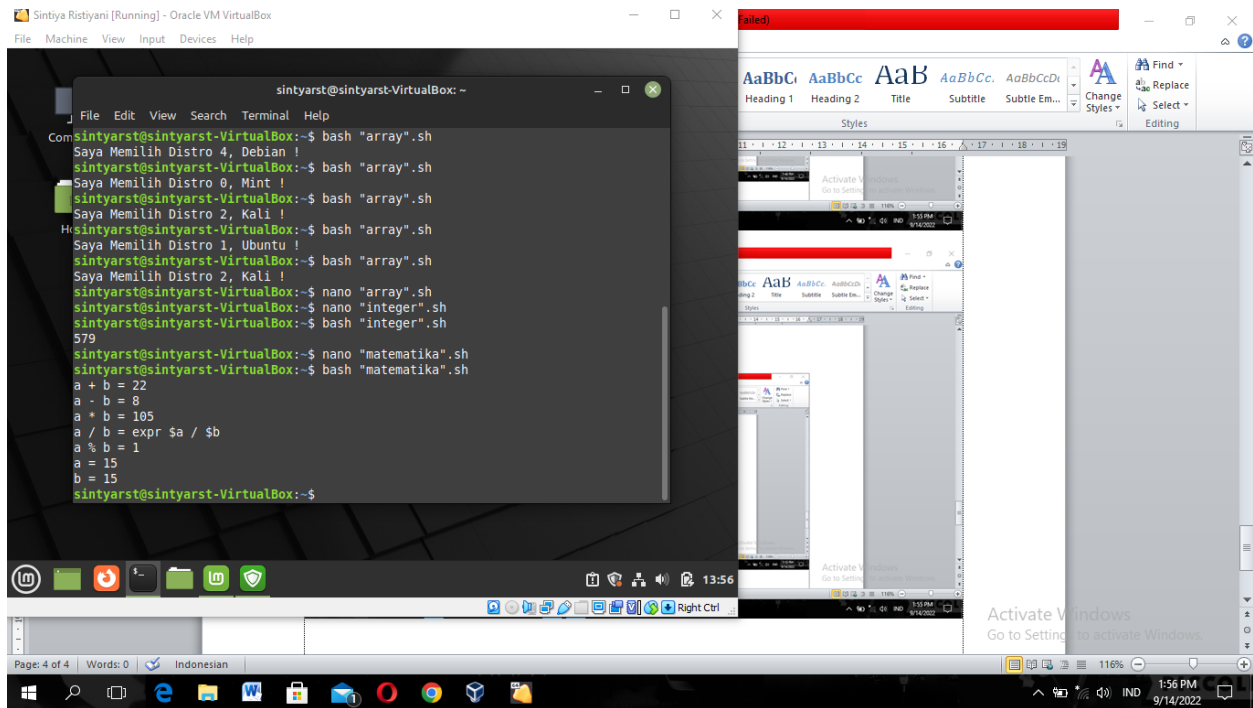
4. operasi matematika



The screenshot shows a terminal window titled 'sintyarst@sintyarst-VirtualBox: ~'. The user has run the command 'nano matematika.sh *'. The script content is as follows:

```
GNU nano 6.2 matematika.sh *
let kurang=$a-$b
let kali=$a*$b
# memakai expr
bagi='expr $a / $b'
# memakai perintah substitusi $(ekspresi)
mod=$(( $a % $b ))
echo "a + b = $jumlah"
echo "a - b = $kurang"
echo "a * b = $kali"
echo "a / b = $bagi"
echo "a % b = $mod"
b=$a
echo "a = $a"
echo "b = $b"
```

The terminal window is part of an Oracle VM VirtualBox environment. The host OS is Windows, and the guest OS is Linux. The taskbar at the bottom shows various application icons and the system clock indicating 1:55 PM on 9/14/2022.

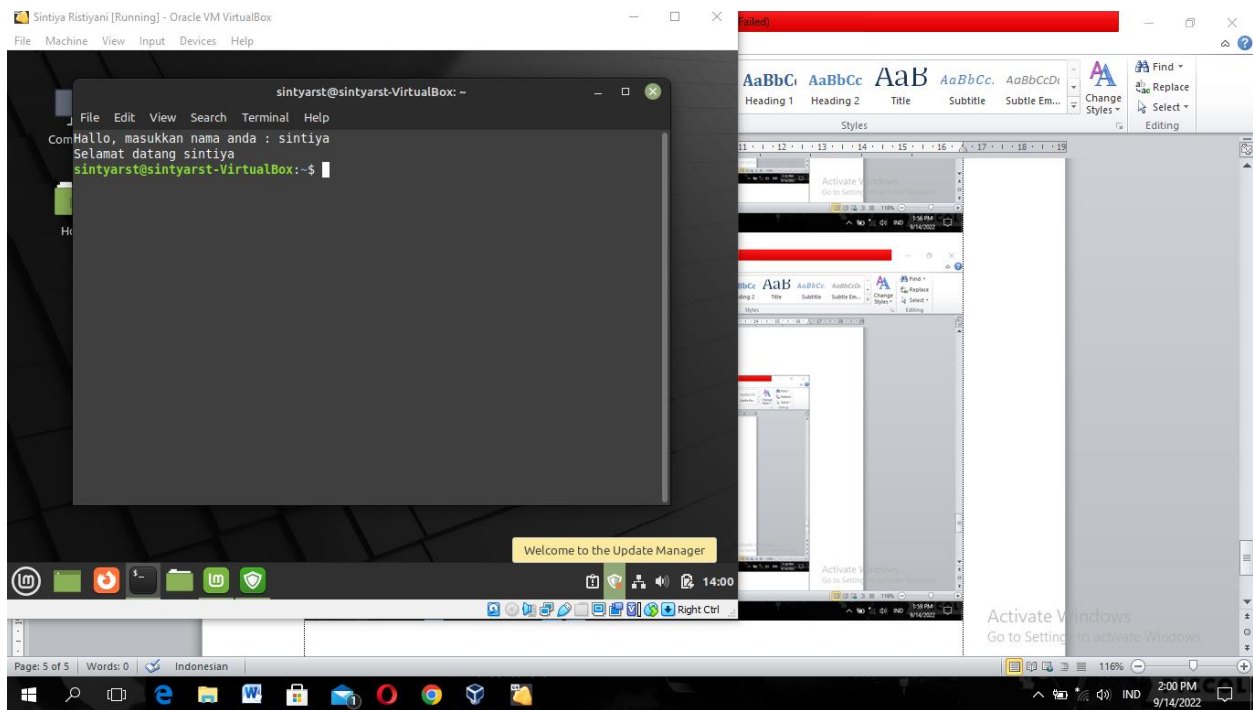
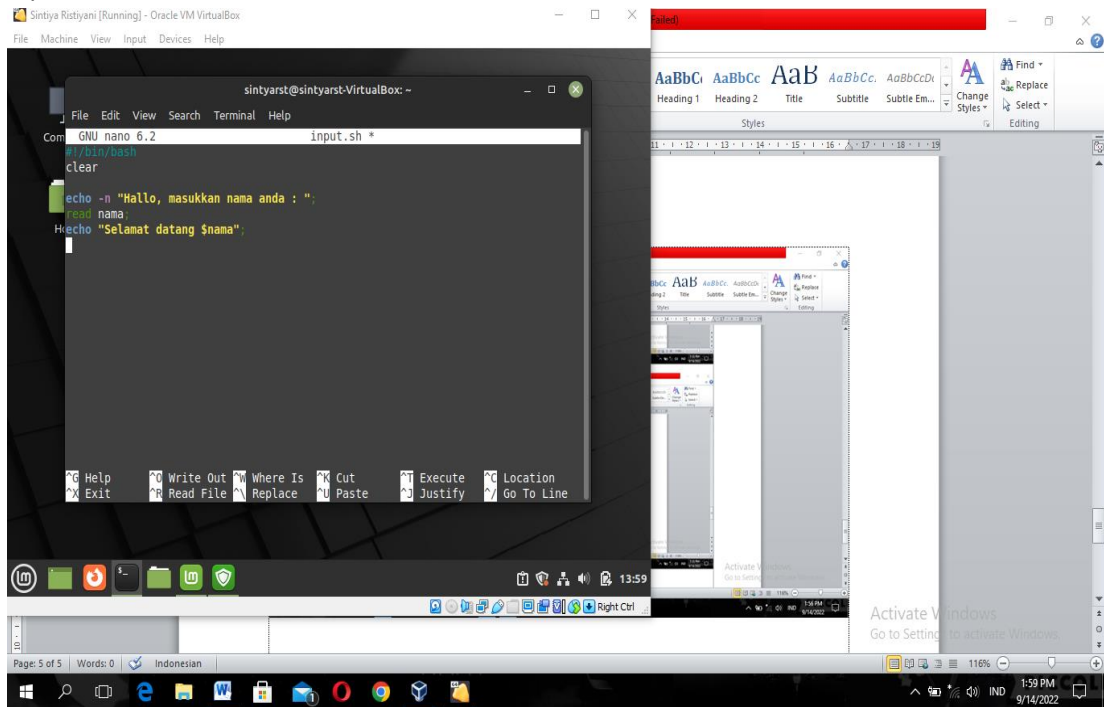


The screenshot shows a terminal window titled 'sintyarst@sintyarst-VirtualBox: ~'. The user has run the command 'bash "array".sh'. The script content is as follows:

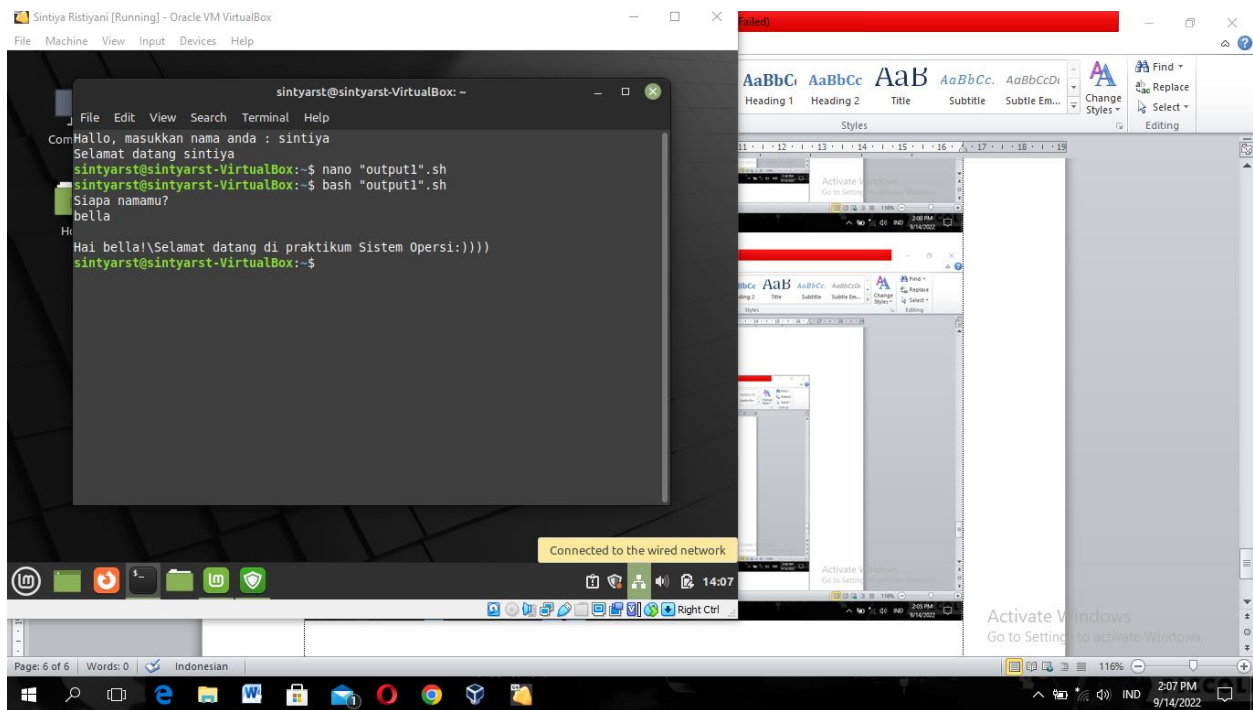
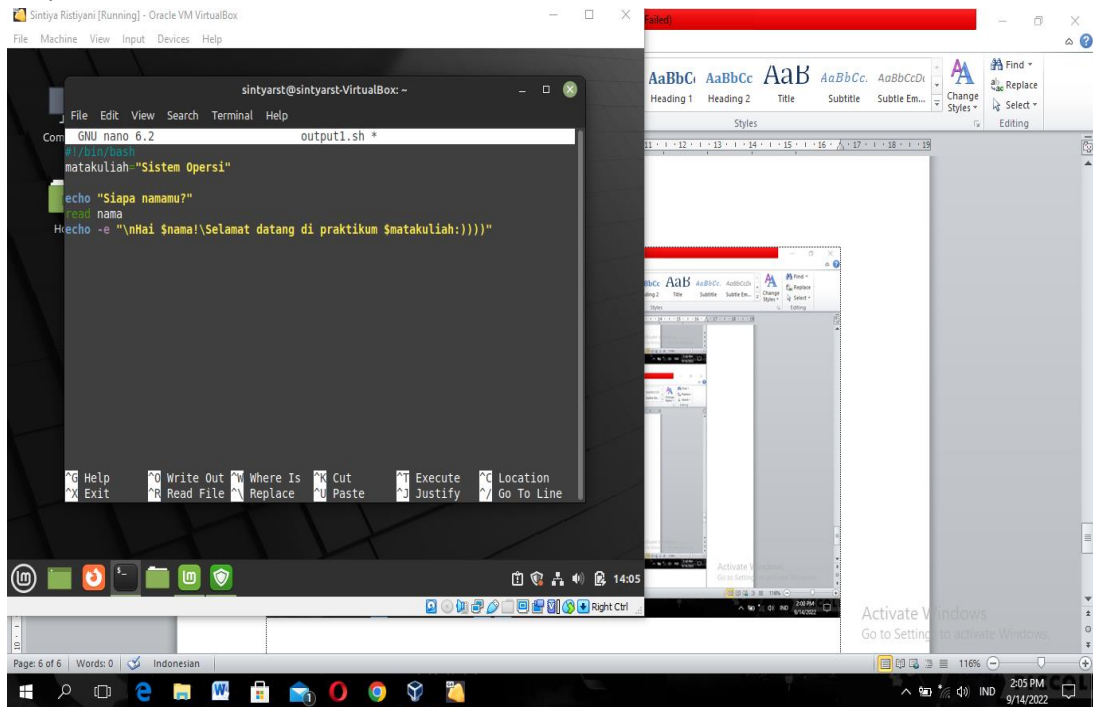
```
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh
Saya Memilih Distro 4, Debian !
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh
Saya Memilih Distro 0, Mint !
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh
Saya Memilih Distro 2, Kali !
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh
Saya Memilih Distro 1, Ubuntu !
sintyarst@sintyarst-VirtualBox:~$ bash "array".sh
Saya Memilih Distro 2, Kali !
sintyarst@sintyarst-VirtualBox:~$ nano "array".sh
sintyarst@sintyarst-VirtualBox:~$ nano "integer".sh
379
sintyarst@sintyarst-VirtualBox:~$ nano "matematika".sh
sintyarst@sintyarst-VirtualBox:~$ bash "matematika".sh
a + b = 22
a - b = 8
a * b = 105
a / b = expr $a / $b
a % b = 1
a = 15
b = 15
sintyarst@sintyarst-VirtualBox:~$
```

The terminal window is part of an Oracle VM VirtualBox environment. The host OS is Windows, and the guest OS is Linux. The taskbar at the bottom shows various application icons and the system clock indicating 1:56 PM on 9/14/2022.

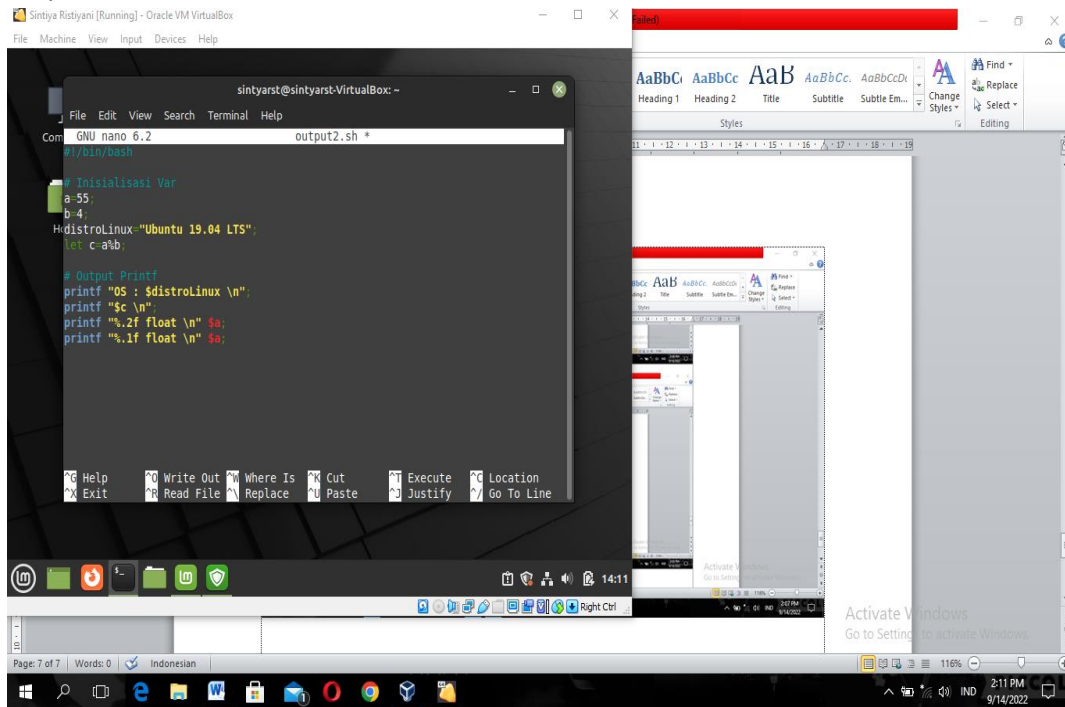
5. input



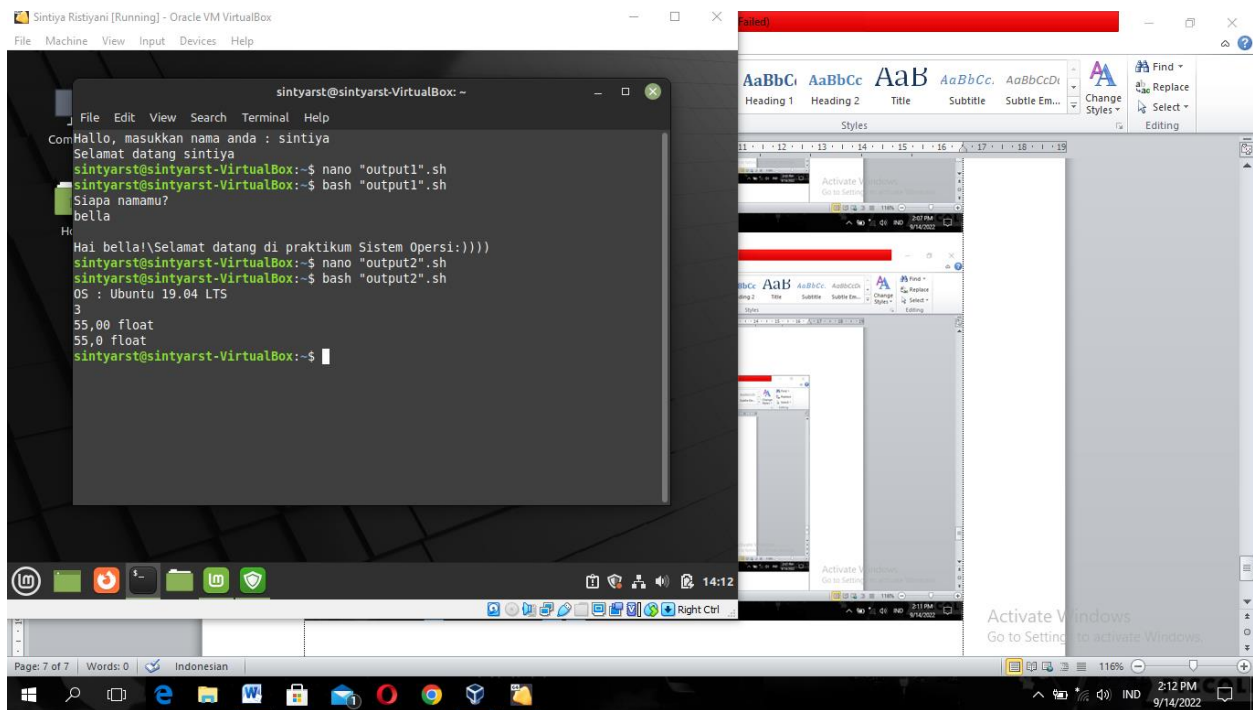
6. output 1



7. output 2

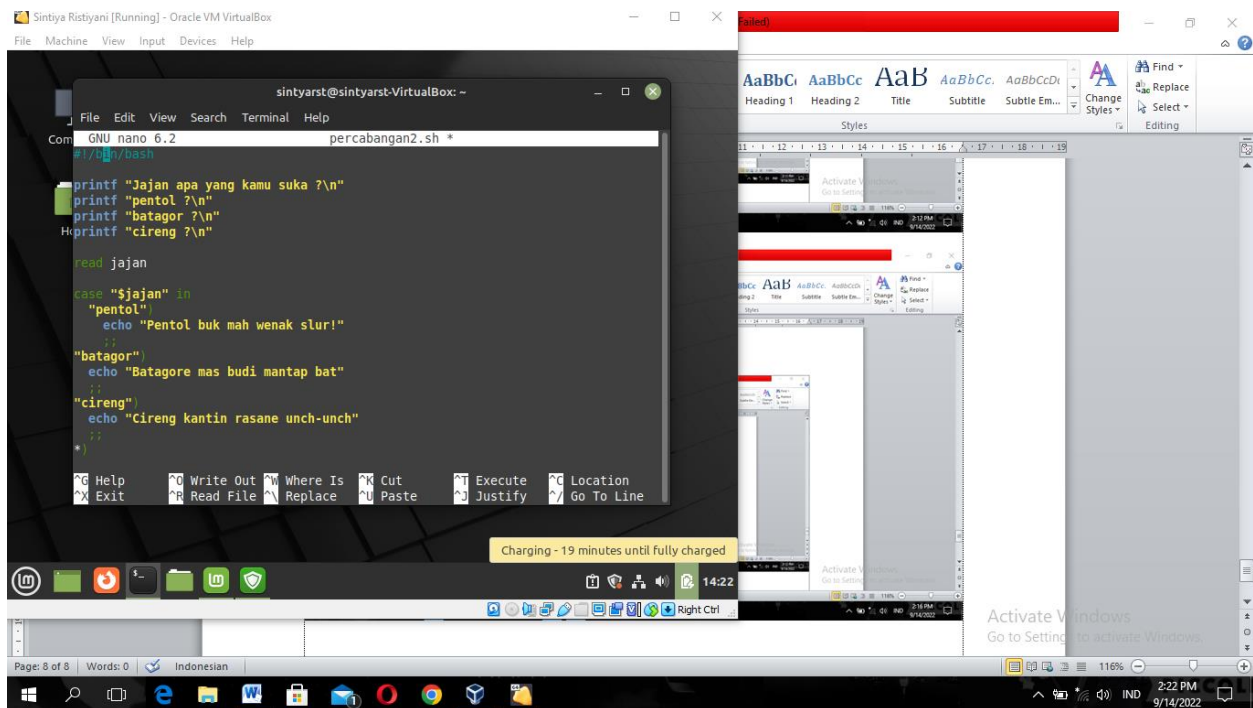
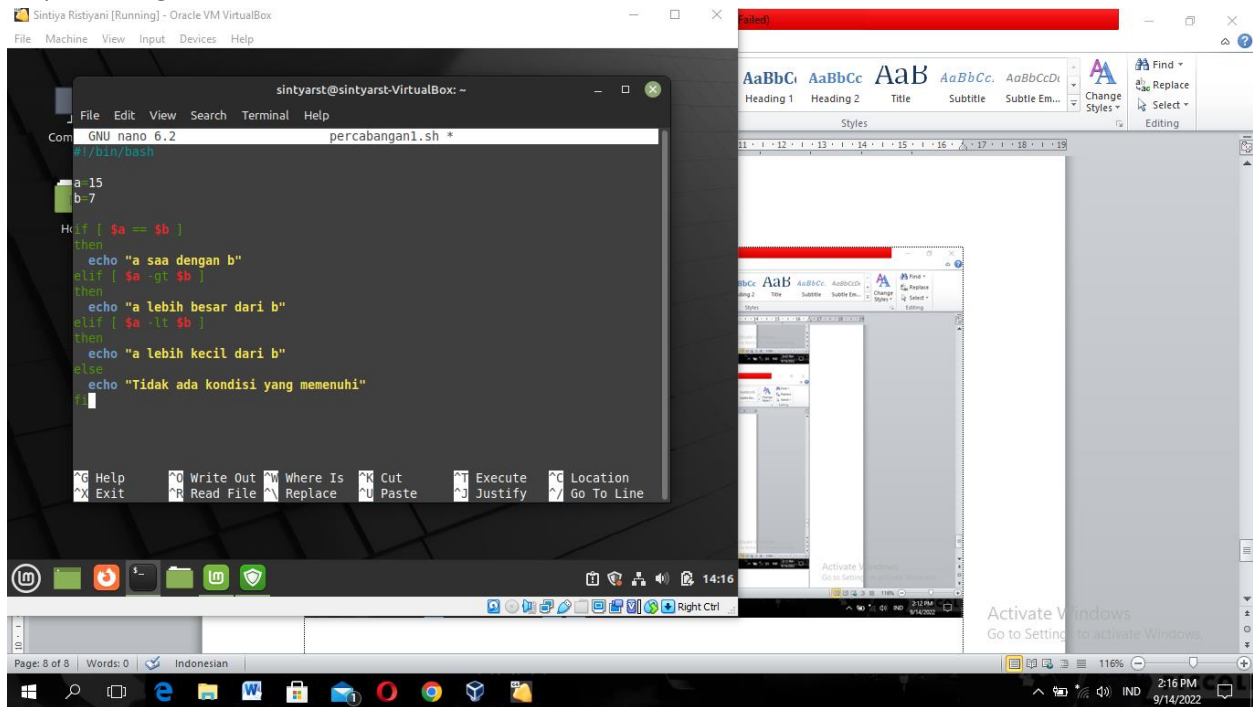


```
sintyarst@sintyarst-VirtualBox: ~  
File Edit View Search Terminal Help  
Com: GNU nano 6.2 output2.sh *  
#!/bin/bash  
  
# Inisialisasi Var  
a=55  
b=4  
distroLinux="Ubuntu 19.04 LTS";  
let c=a+b;  
  
# Output Printf  
printf "OS : $distroLinux \n";  
printf "%c \n";  
printf "%.2f float \n" $a;  
printf "%.1f float \n" $a;
```

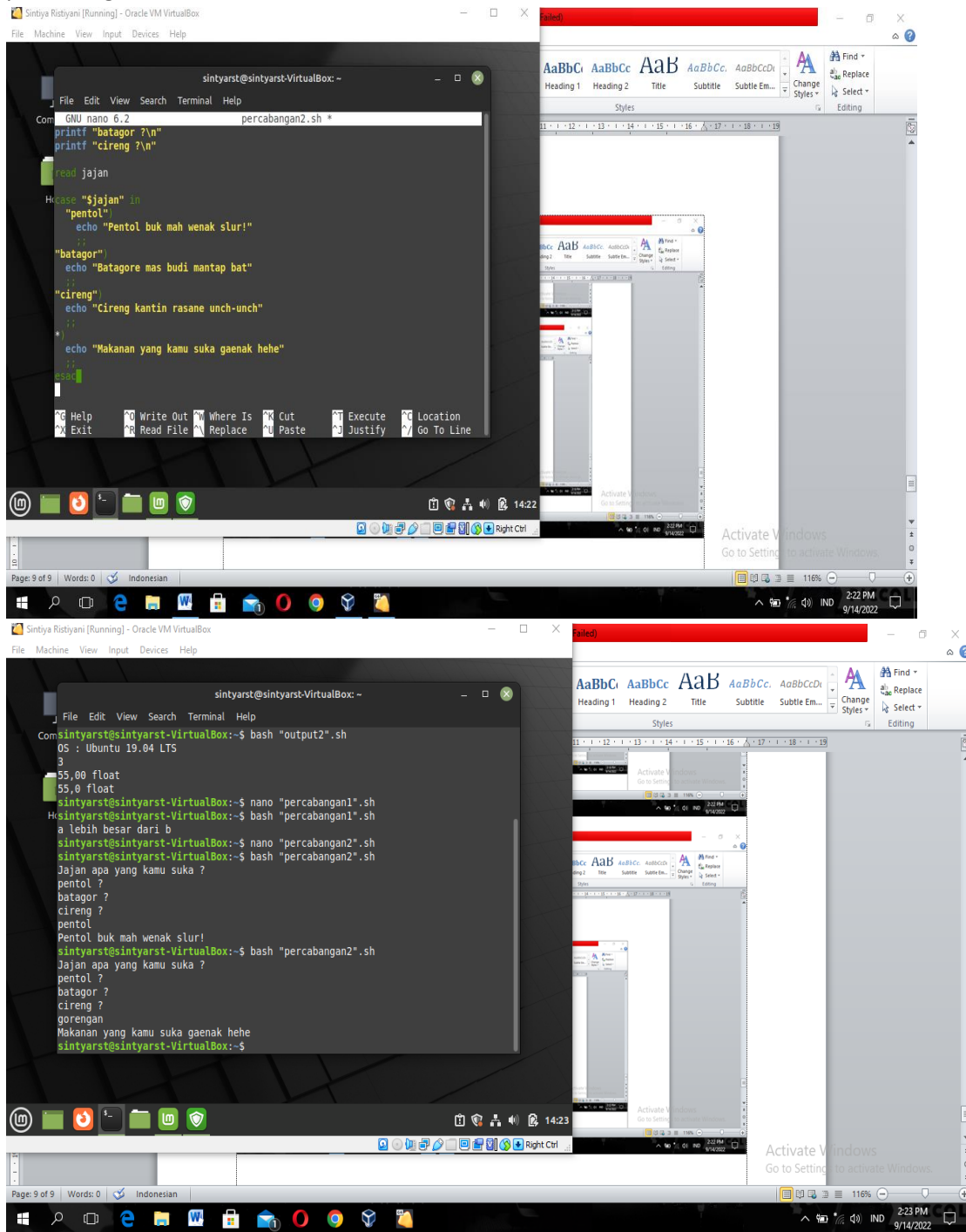


```
sintyarst@sintyarst-VirtualBox: ~  
File Edit View Search Terminal Help  
Com: Hallo, masukkan nama anda : sintiya  
Selamat datang sintiya  
sintyarst@sintyarst-VirtualBox:~$ nano "output1".sh  
sintyarst@sintyarst-VirtualBox:~$ bash "output1".sh  
Siapa namamu?  
bella  
Hi:  
Hai bella!(Selamat datang di praktikum Sistem Operasi:)))  
sintyarst@sintyarst-VirtualBox:~$ nano "output2".sh  
sintyarst@sintyarst-VirtualBox:~$ bash "output2".sh  
OS : Ubuntu 19.04 LTS  
3  
55,00 float  
55,0 float  
sintyarst@sintyarst-VirtualBox:~$
```

8.. percabangan 1



8. percabangan 2



SOAL LATIHAN :

