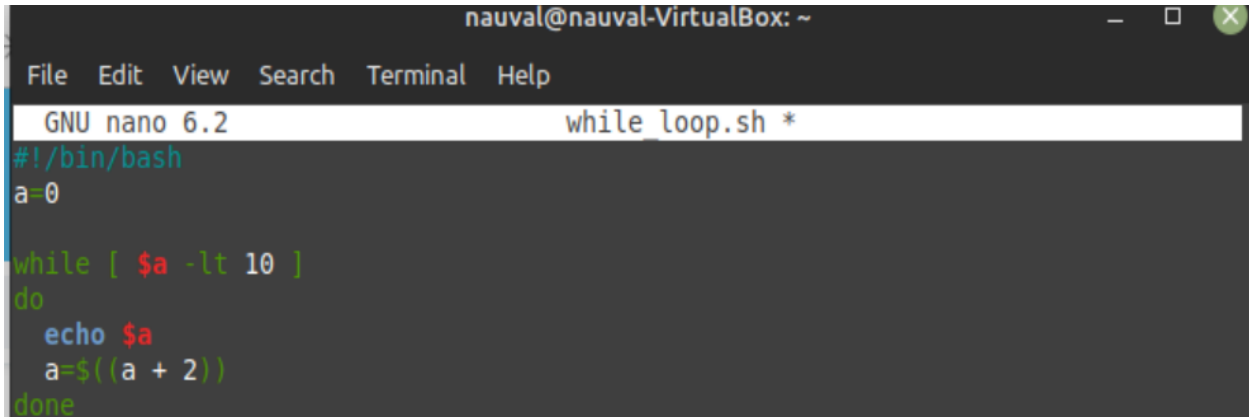


While_loop

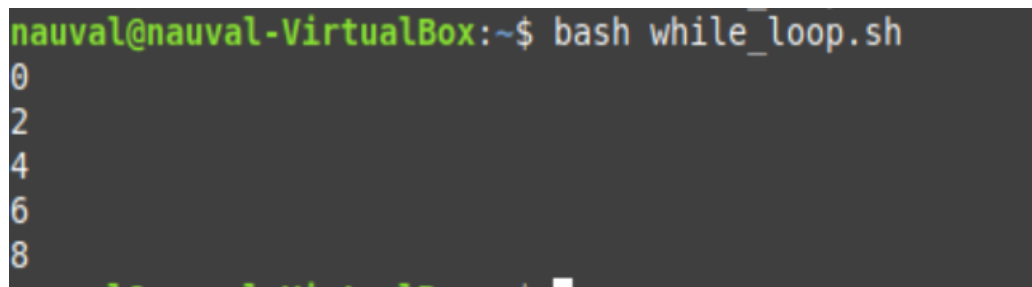
While_loop digunakan untuk mengeksekusi serangkaian perintah berulang kali selama suatu kondisi terpenuhi.

A screenshot of a terminal window titled 'nauval@nauval-VirtualBox: ~'. The window shows the GNU nano 6.2 editor with a file named 'while_loop.sh'. The script content is as follows:

```
#!/bin/bash
a=0

while [ $a -lt 10 ]
do
    echo $a
    a=$((a + 2))
done
```

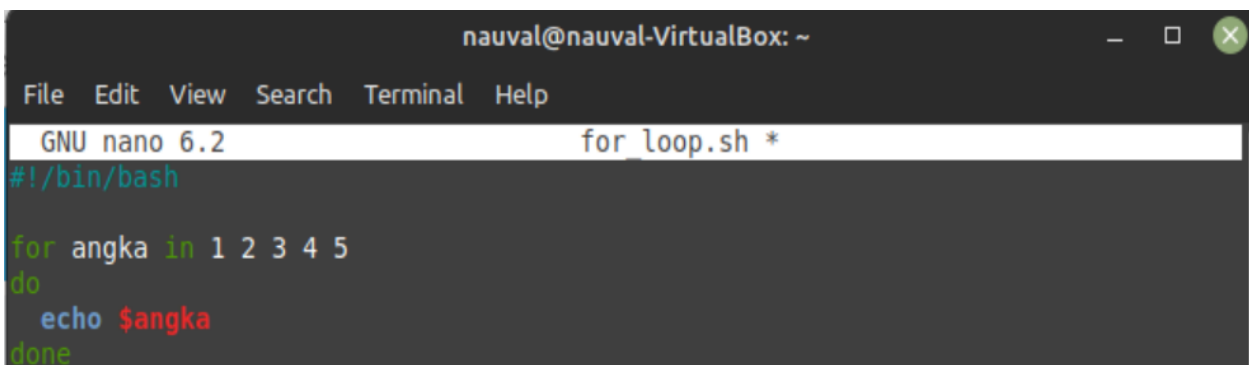
Hasil Output

A screenshot of a terminal window showing the execution of the 'while_loop.sh' script. The command 'bash while_loop.sh' has been entered, and the output displays the numbers 0, 2, 4, 6, and 8, each on a new line.

```
nauval@nauval-VirtualBox:~$ bash while_loop.sh
0
2
4
6
8
```

For_loop

For loop digunakan untuk mengulang serangkaian perintah untuk setiap item pada daftar

A screenshot of a terminal window titled 'nauval@nauval-VirtualBox: ~'. The window shows the GNU nano 6.2 editor with a file named 'for_loop.sh'. The script content is as follows:

```
#!/bin/bash

for angka in 1 2 3 4 5
do
    echo $angka
done
```

Hasil Output

```
nauval@nauval-VirtualBox:~$ bash for_loop.sh
1
2
3
4
5
nauval@nauval-VirtualBox:~$
```

Select_Loop

Select loop digunakan Ketika kita ingin membuat sebuah program dengan beberapa daftar pilihan yang bisa dipilih oleh user, misalnya daftar menu di bawah ini.

```
File Edit View Search Terminal Help
GNU nano 6.2 select_loop.sh *
#!/bin/bash

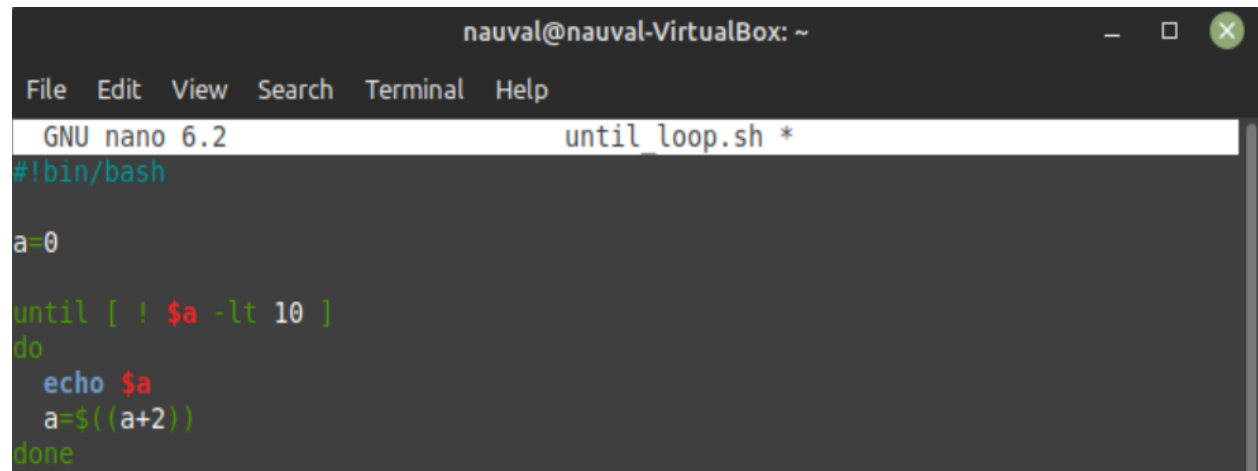
select makanan in cilok sempol seblak poki sate semua gaada
do
    case $makanan in
        cilok|sempol|seblak|semua)
            echo "habis, bang"
            ;;
        poki|sate)
            echo "ready, ngab"
            ;;
        gaada)
            break
            ;;
        *) echo "gaada di menu coy"
    esac
done
```

Hasil Output

```
nauval@nauval-VirtualBox:~$ bash select_loop.sh
1) cilok
2) sempol
3) seblak
4) poki
5) sate
6) semua
7) gaada
#? 4
ready, ngab
#? 5
ready, ngab
#? 6
habis, bang
#? 7
```

Until_loop

Beberapa dengan while, until loop digunakan untuk mengeksekusi serangkaian perintah berulang kali sampai suatu kondisi terpenuhi.



```
nauval@nauval-VirtualBox: ~
File Edit View Search Terminal Help
GNU nano 6.2      until_loop.sh *
#!/bin/bash

a=0

until [ ! $a -lt 10 ]
do
    echo $a
    a=$((a+2))
done
```

Hasil Output

```
nauval@nauval-VirtualBox:~$ bash until_loop.sh
0
2
4
6
8
```

Latihan Soal

```
File Edit View Search Terminal Help
GNU nano 6.2 latihan_soal.sh
#!/bin/bash

for a in {15..1}
do
    if [ $((a%2)) -eq 1 ]
    then
        echo $a
    fi
done
```

Hasil Output

```
nauval@nauval-VirtualBox:~$ bash latihan_soal.sh
15
13
11
9
7
5
3
1
```