

Laporan Tugas 4

1. Tugas Tutorial

a) while loop

```
valentino@valentino-VirtualBox: ~/sisop/tugas4
File Edit View Search Terminal Help
valentino@valentino-VirtualBox:~/sisop/tugas4$ nano while_loop.sh
```

```
valentino@valentino-VirtualBox: ~/sisop/tugas4
File Edit View Search Terminal Help
GNU nano 6.2 while_loop.sh
1 0
2 while [ $a -lt 20 ]
3 do
4   echo $a
5   a=$((a + 3))
6 done
```

```
valentino@valentino-VirtualBox: ~/sisop/tugas4
File Edit View Search Terminal Help
valentino@valentino-VirtualBox:~/sisop/tugas4$ nano while_loop.sh
valentino@valentino-VirtualBox:~/sisop/tugas4$ bash while_loop.sh
bash: while: No such file or directory
valentino@valentino-VirtualBox:~/sisop/tugas4$ bash while_loop.sh
0
3
6
9
12
15
18
valentino@valentino-VirtualBox:~/sisop/tugas4$
```

b) for loop 1 and 2

```
valentino@valentino-VirtualBox: ~/sisop/tugas4
File Edit View Search Terminal Help
GNU nano 6.2
1 for loop1.sh
valentino@valentino-VirtualBox:~/sisop/tugas4$ nano for_loop1.sh
valentino@valentino-VirtualBox:~/sisop/tugas4$ bash for_loop1.sh
5
7
9
1
valentino@valentino-VirtualBox:~/sisop/tugas4$ nano for_loop2.sh
valentino@valentino-VirtualBox:~/sisop/tugas4$ bash for_loop2.sh
1
2
3
4
5
valentino@valentino-VirtualBox:~/sisop/tugas4$
valentino@valentino-VirtualBox:~/sisop/tugas4$
```

c) until loop

```
valentino@valentino-VirtualBox: ~/sisop/tugas4
File Edit View Search Terminal Help
valentino@valentino-VirtualBox:~/sisop/tugas4$ nano until_loop.sh
```

```
valentino@valentino-VirtualBox: ~/sisop/tugas4
File Edit View Search Terminal Help
GNU nano 6.2 until_loop.sh
1 #!/bin/bash
2
3 a=0
4
5 until [ -t 19 ]
6 do
7     echo $a
8     a=$((a+2))
9 done
```

```
valentino@valentino-VirtualBox: ~/sisop/tugas4
File Edit View Search Terminal Help
valentino@valentino-VirtualBox:~/sisop/tugas4$ nano until_loop.sh
valentino@valentino-VirtualBox:~/sisop/tugas4$ bash until_loop.sh
0
2
4
6
8
valentino@valentino-VirtualBox:~/sisop/tugas4$
```

2. Latihan soal

```
valentino@valentino-VirtualBox: ~/sisop/tugas4
File Edit View Search Terminal Help
valentino@valentino-VirtualBox:~/sisop/tugas4$ nano Tugas_4.sh
```

```
valentino@valentino-VirtualBox: ~/sisop/tugas4
File Edit View Search Terminal Help
valentino@valentino-VirtualBox:~/sisop/tugas4$ nano Tugas_4.sh
valentino@valentino-VirtualBox:~/sisop/tugas4$ bash Tugas_4.sh
Input: 15
15
13
11
9
7
5
3
1
valentino@valentino-VirtualBox:~/sisop/tugas4$
```