

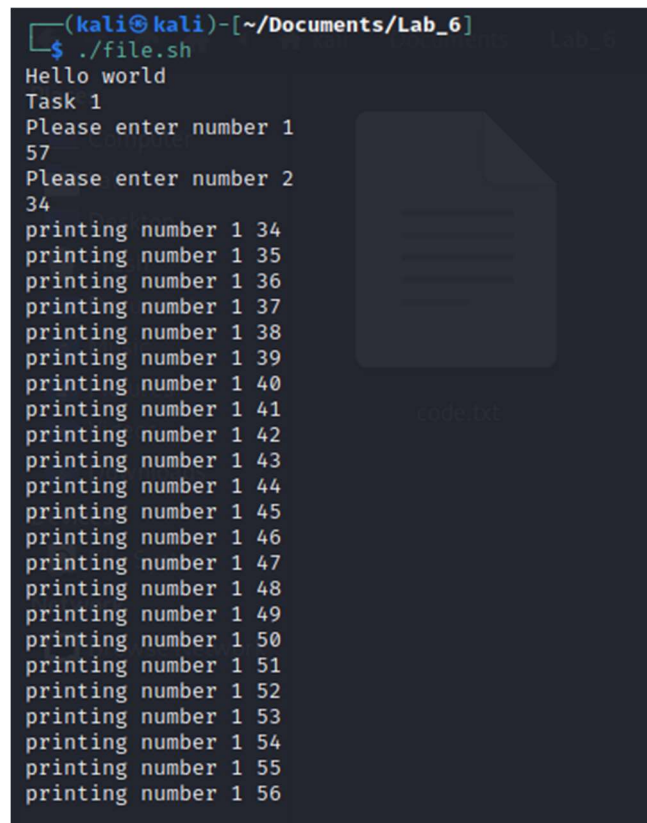
OS Lab 6

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Task 1

```
#!/bin/bash
echo "Hello world"
echo "Task 1"
echo "Please enter number 1"
read num
echo "Please enter number 2"
read num2
if [ $num -gt $num2 ]
then
num=$((num-num2))
num2=$((num+num2))
num=$((num2-num))
fi
while [ $num -ne $num2 ]
do
echo "printing number 1 $num"
num=$((num+1))
done
```

Output



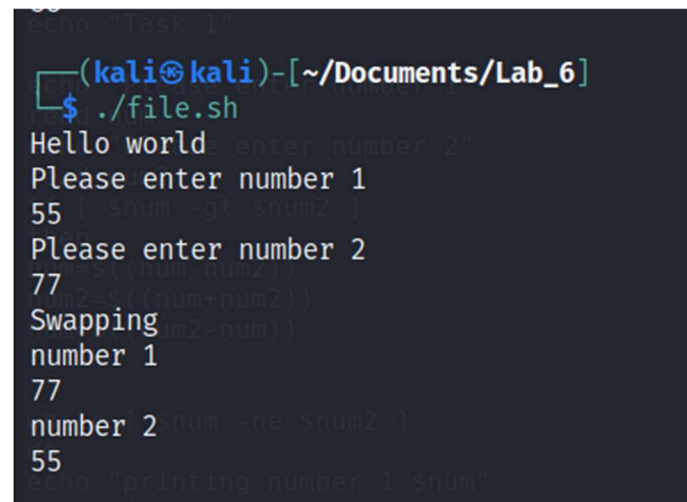
```
(kali㉿kali)-[~/Documents/Lab_6]
$ ./file.sh
Hello world
Task 1
Please enter number 1
57
Please enter number 2
34
printing number 1 34
printing number 1 35
printing number 1 36
printing number 1 37
printing number 1 38
printing number 1 39
printing number 1 40
printing number 1 41
printing number 1 42
printing number 1 43
printing number 1 44
printing number 1 45
printing number 1 46
printing number 1 47
printing number 1 48
printing number 1 49
printing number 1 50
printing number 1 51
printing number 1 52
printing number 1 53
printing number 1 54
printing number 1 55
printing number 1 56
```

Task 2

Swapping

```
#!/bin/bash
echo "Hello world"
echo "Please enter number 1"
read num
echo "Please enter number 2"
read num2
echo "Swapping"
num=$((num-num2))
num2=$((num+num2))
num=$((num2-num))
echo "number 1"
echo $num
echo "number 2"
echo $num2
```

Output



A terminal window screenshot showing the execution of a script. The prompt is (kali㉿kali)-[~/Documents/Lab_6]. The user runs ./file.sh. The script outputs "Hello world", prompts for "Please enter number 1" (input: 55), "Please enter number 2" (input: 77), and "Swapping". It then prints "number 1" (output: 77) and "number 2" (output: 55). The script ends with an echo statement: echo "printing number 1 \$num".

```
(kali㉿kali)-[~/Documents/Lab_6]
$ ./file.sh
Hello world
Please enter number 1
55
Please enter number 2
77
Swapping
number 1
77
number 2
55
echo "printing number 1 $num"
```