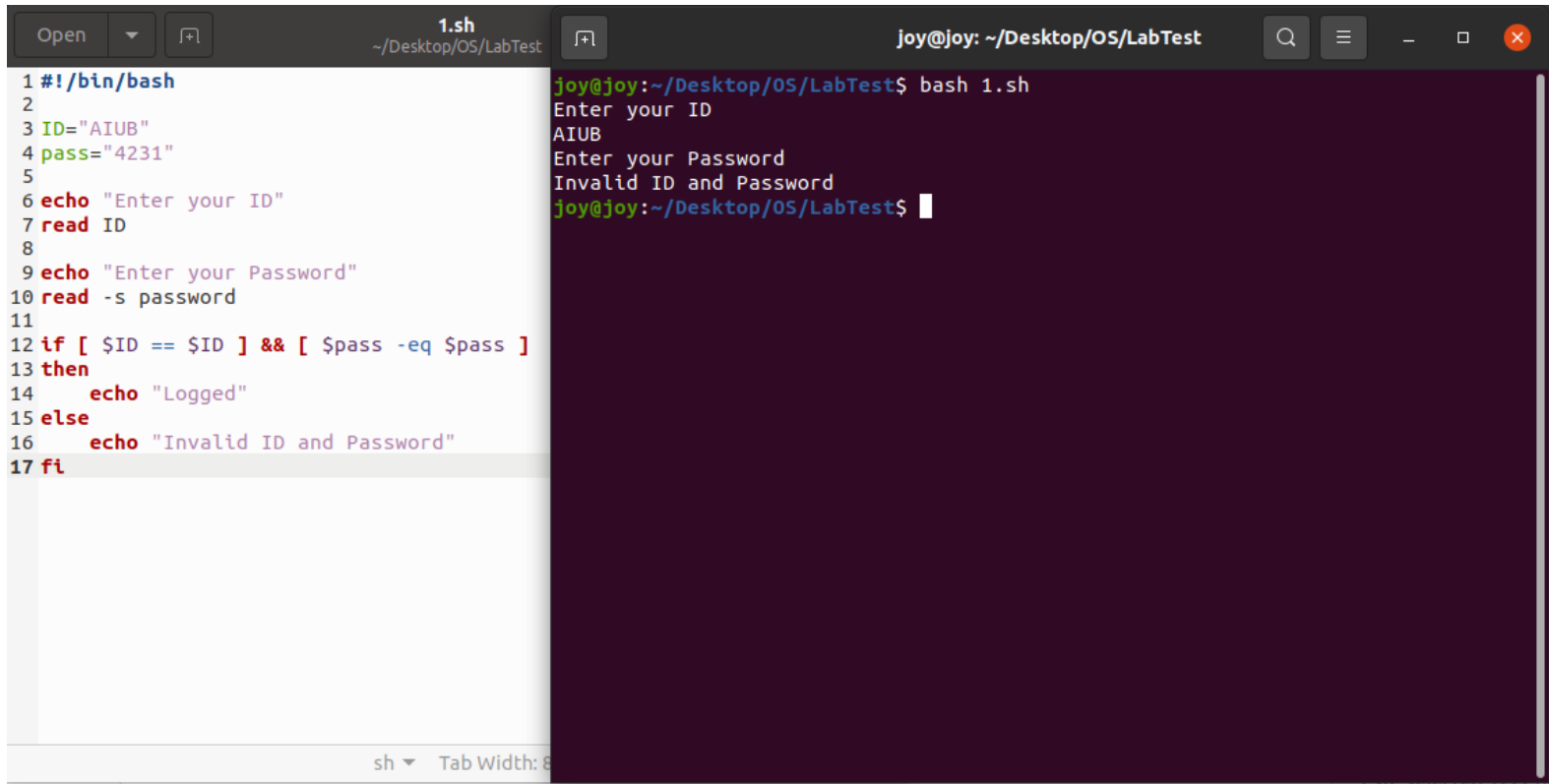


JOY KARMOKAR

18-39263-3

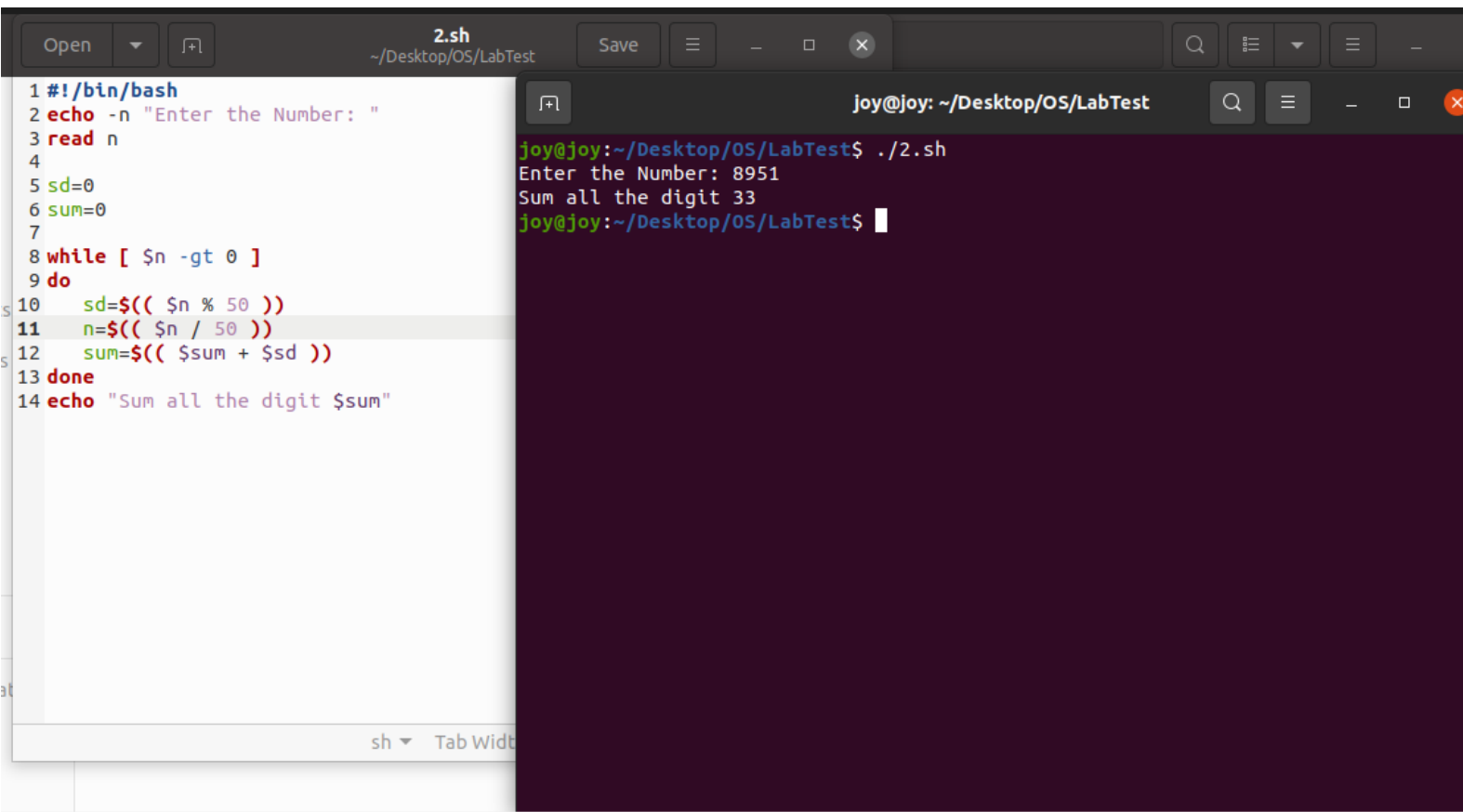
OS-D



The screenshot shows a terminal window with two panes. The left pane displays the source code of a script named '1.sh'. The script prompts for an ID and password, and checks if they match the predefined values 'AIUB' and '4231'. The right pane shows the execution of the script. The user enters 'AIUB' as the ID, but the password check fails, resulting in the message 'Invalid ID and Password'.

```
1 #!/bin/bash
2
3 ID="AIUB"
4 pass="4231"
5
6 echo "Enter your ID"
7 read ID
8
9 echo "Enter your Password"
10 read -s password
11
12 if [ $ID == $ID ] && [ $pass -eq $pass ]
13 then
14     echo "Logged"
15 else
16     echo "Invalid ID and Password"
17 fi
```

```
joy@joy:~/Desktop/OS/LabTest$ bash 1.sh
Enter your ID
AIUB
Enter your Password
Invalid ID and Password
joy@joy:~/Desktop/OS/LabTest$
```



The screenshot shows a terminal window with two panes. The left pane displays the source code of a script named '2.sh'. The script prompts for a number, then uses a while loop to calculate the sum of all digits of the number. The right pane shows the execution of the script. The user enters '8951' as the number, and the script outputs 'Sum all the digit 33'.

```
1 #!/bin/bash
2 echo -n "Enter the Number: "
3 read n
4
5 sd=0
6 sum=0
7
8 while [ $n -gt 0 ]
9 do
10     sd=$(( $n % 50 ))
11     n=$(( $n / 50 ))
12     sum=$(( $sum + $sd ))
13 done
14 echo "Sum all the digit $sum"
```

```
joy@joy:~/Desktop/OS/LabTest$ ./2.sh
Enter the Number: 8951
Sum all the digit 33
joy@joy:~/Desktop/OS/LabTest$
```

```
3.sh
~/Desktop/OS/LabTest

1 #!/bin/bash
2
3 n=30
4 i=1
5
6 while [ $i -le $n ]
7 do
8
9 if [ $(expr $i % 2) -eq 0 ]
10 then
11     echo even=$i
12 else
13     echo odd=$i
14 fi
15
16 i=$(expr $i + 1)
17
18 done

joy@joy: ~/Desktop/OS/LabTest
joy@joy:~/Desktop/OS/LabTest$ ./3.sh
odd=1
even=2
odd=3
even=4
odd=5
even=6
odd=7
even=8
odd=9
even=10
odd=11
even=12
odd=13
even=14
odd=15
even=16
odd=17
even=18
odd=19
even=20
odd=21
even=22
odd=23
even=24
odd=25
even=26
odd=27
even=28
odd=29
even=30
```

```
4.1.sh
~/Desktop/OS/LabTest

1 # !/bin/bash
2
3 echo "Enter Two numbers : "
4 read a
5 read b
6
7 echo "Choose anyone:"
8 echo "1. Addition"
9 echo "2. Subtraction"
10 echo "3. Multiplication"
11 echo "4. Division"
12 read x
13
14 case $x in
15
16 1)result=$(echo $a + $b | bc) #Addition two number
17 ;;
18
19 2)result=$(echo $a - $b | bc) #Subtraction two number
20 ;;
21
22 3)result=$(echo $a \* $b | bc) #Multiplication two number
23 ;;
24
25 4)result=$(echo $a / $b | bc) #Division two number
26 ;;
27 esac
28 echo "Total : $result"

joy@joy: ~/Desktop/OS/LabTest
joy@joy:~/Desktop/OS/LabTest$ ./4.1.sh
Enter Two numbers :
45
10
Choose anyone:
1. Addition
2. Subtraction
3. Multiplication
4. Division
2
Total : 35
joy@joy:~/Desktop/OS/LabTest$
```

Open

4.2.sh

~/Desktop/OS/LabTest

```
1#!/bin/bash
2
3num1=30
4num2=50
5if [ $num2 -gt $num1 ]
6then
7    echo "$num2 is greater than $num1"
8fi
9# Second comparison
10if [ $num1 -gt $num2 ]
11then
12    echo "$num2 is greater than 80"
13else
14    echo "$num1 is less than 80"
15fi
```

joy@joy: ~/Desktop/OS/LabTest

joy@joy:~/Desktop/OS/LabTest\$ ./4.2.sh
50 is greater than 30
30 is less than 80
joy@joy:~/Desktop/OS/LabTest\$

Open

5.sh

~/Desktop/OS/LabTest

Save

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```
1#!/bin/bash
2
3sum=0
4for i in `seq 1 100`
5do
6    sum=$(( $i+$sum ))
7done
8echo $sum
```

joy@joy: ~/Desktop/OS/LabTest

joy@joy:~/Desktop/OS/LabTest\$ ./5.sh
5050
joy@joy:~/Desktop/OS/LabTest\$

sh

Tab Width: 8

Ln 4, Col 11

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Open

6.sh

Save

~/Desktop/OS/LabTest

```
1 #!/bin/bash
2
3 echo "Name"
4 read Name
5
6 echo "Occupation"
7 read Occupation
8
9 echo "Institution"
10 read Institution
11
12 echo "Id No"
13 read ID
14
15 echo "My name is $Name Occupation is $Occupation Institution is $Institution
    Id is $ID"
16
17 echo $now=`date`
```

joy@joy: ~/Desktop/OS/LabTest

```
joy@joy:~/Desktop/OS/LabTest$ ./6.sh
Name
Joy
Occupation
Student
Institution
Aiub
Id No
18-39263-3
My name is Joy Occupation is Student Institution is Aiub Id is 18-39263-3
=Tue 03 Aug 2021 12:56:35 PM +06
joy@joy:~/Desktop/OS/LabTest$
```

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