**Practical: Day04**

**Linux command**

**cal** : Displays the current month's calendar.

{ ~ } » cal

March 2025

Su Mo Tu We Th Fr Sa

1

2 3 4 5 6 7 8

9 10 11 12 13 14 15

16 17 18 19 20 21 22

23 24 25 26 27 28 29

30 31

**date** : Displays the current date and time in the default format.

{ ~ } » date

Mon, Mar 24, 2025 11:53:11 PM

**date +%d** : Displays the day of the month

{ ~ } » date +%d

24

**date +%D** : Displays the date in MM/DD/YY format.

{ ~ } » date +%D

03/24/25

**date +%y** : Displays the last two digits of the year

{ ~ } » date +%y

25

**date +%Y** : Displays the last two digits of the year

{ ~ } » date +%Y

2025

**date +%a** : Displays the short name of the weekday

{ ~ } » date +%a

Mon

**date +%A** : Displays the full name of the weekday

{ ~ } » date +%A

Monday

**date +%b** : Displays the short name of the month

{ ~ } » date +%b

Mar

**date +%B :** Displays the full name of the month.

{ ~ } » date +%B

March

**date +%m** : Displays the month number

{ ~ } » date +%m

03

**date +%M** : Displays the minutes

{ ~ } » date +%M

55

**date +%h** : Displays the short name of the month

{ ~ } » date +%h

Mar

**date +%H** : Displays the hour in 24-hour format

{ ~ } » date +%H

23

**date +%S** : Displays the seconds

{ ~ } » date +%S

52

**date +%T :** Displays the time in HH:MM:SS format.

{ ~ } » date +%T

23.57.03

**Simple Batch script program**

1. **vi program.sh**

2.**Code**

echo "Who are you"

read name

echo "Enter num1"

read x

echo "Enter num2"

read y

sum=$(($x + $y))

sub=$(($x - $y))

mul=$(($x \* $y))

div=$(($x / $y))

echo "Hi" $name

echo "summation:" $sum

echo "subraction:" $sub

echo "Multiplication:" $mul

echo "Division:" $div

3) **./program.sh** ->

used to execute the script

4)**output** ->

{ ~ } » ./program.sh

Who are you

samra

Enter num1

6

Enter num2

2

Hi samra

summation: 8

subraction: 4

Multiplication: 12

Division: 3

**Explanation**=>

echo : used to print

read :using for user input

$variable :$ symbol is used to reference the value of a variable.

$(()) tells Bash to evaluate the mathematical expression inside it.

step by procedure=>

1st create vi program.sh to create a file

then code

after ls to check this file is available

then chmd 777 program.sh to allowed a file permission

then ./program.sh : to execute a program

this program .sh extention use its mean Shell Script