**Practical :Day\_6**

Q1) **Get the calender and date**

[2021ict109@fedora ~]$ **cal**

April 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

[2021ict109@fedora ~]$ **date**

Fri Apr 4 01:25:13 PM +0530 2025

Q2) **Get the student name and marks for the 3 subject from user then calculate**

**code**:-

echo "Enter the name:"

read name

echo "Enter the marks for subject1:"

read marks1

echo "Enter the marks for subject2:"

read marks2

echo "Enter the marks for subject3:"

read marks3

**output**:-

[2021ict109@fedora ~]$ touch pro.sh

[2021ict109@fedora ~]$ vi pro.sh

[2021ict109@fedora ~]$ chmod 777 pro.sh

[2021ict109@fedora ~]$ ./pro.sh

Enter the name:

samra

Enter the marks for subject1:

70

Enter the marks for subject2:

90

Enter the marks for subject3:

60

Q3**) Create calculator with arithmatic operators**

**code:-**

echo "Enter the first number:"

read num1

echo "Enter the number 2:"

read num2

sum=$(($num1 +$num2))

sub=$(($num1 - $num2))

mul=$(($num1\*$num2))

div=$(($num1/$num2))

echo "Summation: $sum"

echo "Division: $div"

echo "Subtraction: $sub"

echo "Multiplication: $mul"

**output**: -

[2021ict109@fedora ~]$ touch cal.sh

[2021ict109@fedora ~]$ vi cal.sh

[2021ict109@fedora ~]$ chmod 777 cal.sh

[2021ict109@fedora ~]$ ./cal.sh

Enter the first number:

9

Enter the number 2:

3

Summation: 12

Division: 3

Subraction: 6

Multiplication: 27

Q4) **Get the days based on the user input number**

**Expected output:-**

Enter the number :5

Friday

Enter the number :-5

Unregonized

**code**:-

echo "Enter the number:"

read num

if [ "$num" -eq 1 ]; then

echo "Monday"

elif [ "$num" -eq 2 ]; then

echo "Tuesday"

elif [ "$num" -eq 3 ]; then

echo "Wednesday"

elif [ "$num" -eq 4 ]; then

echo "Thursday"

elif [ "$num" -eq 5 ]; then

echo "Friday"

elif [ "$num" -eq 6 ]; then

echo "Saturday"

elif [ "$num" -eq 7 ]; then

echo "Sunday"

else

echo "Invalid input. Please enter a number between 1 and 7."

fi

**/\* switch-case**

echo "Enter number (1-7): "

read num

case "$num" in

1) echo "Monday";;

2) echo "Tuesday";;

3) echo "Wednesday";;

4) echo "Thursday";;

5) echo "Friday";;

6) echo "Saturday";;

7) echo "Sunday";;

\*) echo "Invalid input";;

esac

\*/

**output:-**

[2021ict109@fedora ~]$ vi day.sh

[2021ict109@fedora ~]$ chmod 777 day.sh

[2021ict109@fedora ~]$ ./day.sh

Enter the number:

4

Thursday

Q5) **Verify whether your user name is correct or not (use your name as a input)**

**Expected output**:-

Enter user name:

Sam

user name is correct

Enter user name:

Sam

user name is incorrect

Sam

**code:-**

expected\_username="2021ict109"

echo "Enter user name: "

read entered\_username

if [ $entered\_username == $expected\_username ]; then

echo "user name is correct"

else

echo "$entered\_username"

echo "user name is incorrect"

fi

**output:-**

[2021ict109@fedora ~]$ vi name\_verify.sh

[2021ict109@fedora ~]$ ./name\_verify.sh

Enter user name: sam

sam

user name is incorrect

Q6) **Expected** **Output:-**

Enter 2 numbers **:**

7 5

7 is greater than 5

Output:- Enter 2 numbers :

7 5

5 is less than 7

**code**:-

echo "Enter 2 numbers:"

read num1 num2

if [ $num1 -gt $num2 ]; then

echo $num1 "is greater than" $num2

elif [ $num1 -lt $num2 ]; then

echo $num1 "is less than" $num2

else

echo "Invalid"

fi

**output**:-

[2021ict109@fedora ~]$ vi campare.sh

[2021ict109@fedora ~]$ ./campare.sh

Enter 2 numbers:

4 6

6 is greater than 4

Q7) **Create a simple calculator using "expr" command same as the Q3**

**Code:**

echo "Enter the number:"

read num1 num2

sum=$(expr $num1 + $num2)

difference=$(expr $num1 - $num2)

division=$(expr $num1 / $num2)

multiplication=$(expr $num1 \\* $num2)

echo "Summation: $sum"

echo "Subtraction: $difference"

echo "Division: $division"

echo "Multiplication: $multiplication"

**output:**

Enter the number:

10 2

Summation: 12

Subtraction: 8

Division: 5

Multiplication: 20