

## Day6

### 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 arithmetic 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

Subtraction: 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:

nuzha

user name is correct

Enter user name:

nuzha

user name is incorrect

Nuz

**code:-**

```
expected_username="2021ict108"
```

```
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: nuzha
```

```
nuzha
```

```
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 compare.sh
```

```
[2021ict109@fedora ~]$ ./compare.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