

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

Unrecognized

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