

Ex. no: 2a)
Date: 30.01.2025

SHELL SCRIPT

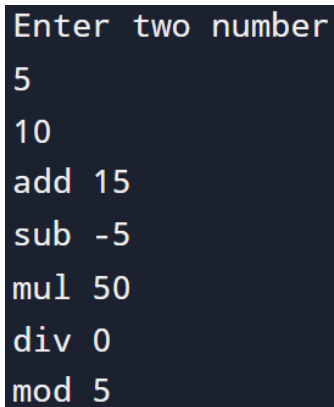
Aim:

To write a Shell script to display basic calculator.

Program:

```
#include<stdio.h>
int main(){
    int a,b;
    scanf("%d%d",&a,&b);
    printf("add %d\n",a+b);
    printf("sub %d\n",a-b);
    printf("mul %d\n",a*b);
    if(b!=0){
        printf("div %d\n",a/b);
        printf("mod %d\n",a%b);
    }else{
        printf("div 0\nmod 0\n");
    }
    return 0;
}
```

Output:



```
Enter two number
5
10
add 15
sub -5
mul 50
div 0
mod 5
```

Result:

Hence, the basic calculator program was executed successfully.

Ex. no: 2b)
Date: 30.01.2025

SHELL SCRIPT

Aim:

To write a Shell script to test given year is leap or not using conditional statement.

Program:

```
echo enter year
read y
if [ $((y%4)) -eq 0 -a $((y%100)) -ne 0 -o $((y%400)) -eq 0 ]
then echo leap year
else echo not leap year
fi
```

Output:

```
$ sh leap.sh
enter year
2012
leap year
```

Result:

Hence, the Shell Script to check leap year was executed successfully.