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.