_____

2A)

Program:

Input:

```
pranav@Pranav:~$ vi two.c
pranav@Pranav:~$ vi two.sh
pranav@Pranav:~$ sh two.sh
Welcome to the Basic Calculator
-------------------------------
Enter first number:
5
Enter second number:
10
Choose operation:
1. Addition (+)
2. Subtraction (-)
3. Multiplication (*)
4. Division (/)
3
```

Output:

```
pranav@Pranav:~$ sh two.sh
Welcome to the Basic Calculator
-------------------------------
Enter first number:
5
Enter second number:
10
Choose operation:
1. Addition (+)
2. Subtraction (-)
3. Multiplication (*)
4. Division (/)
3
Result: 5 * 10 = 50
pranav@Pranav:~$
```

_____

2B)

Program:

```
echo -n "Enter a year: "
read year

if [ $((year % 4)) -eq 0 ] && [ $((year % 100)) -ne 0 ] || [ $((year % 400)) -eq 0 ]; then
    echo "$year is a leap year."
else
    echo "$year is not a leap year."
Fi
```

Input:

 OUTPUT: