Program:

```python
num=int(input('Enter a number : '))
if num>0:
    print(num,'is positive')
elif num<0:
    print(num,'is negative')
else:
    print(num,'is zero')
```

Output:

Enter a number : -1

-1 is negative

Program:

```python
ch=input('Enter character : ')
if (ch>='A' and ch<='Z'):
    print(ch.lower())
elif (ch>='a' and ch<='z'):
    print(ch.upper())
else:
    print('enter valid input')
```

OUTPUT:

Enter character : a

A

Program:

```python
salary=int(input('Enter salary : '))
print('Salary amount is',salary)
if (salary>=10000):
    bonus=(10/100)*salary
elif (salary<10000):
    bonus=(12/100)*salary
else:
    print('Enter valid input')
print('Bonus is',bonus)
print('Total amount is',bonus+salary)
```

Output:

Enter salary : 12000

Salary amount is 12000

Bonus is 1200.0

Total amount is 13200.0

Program:

```python
# check leap year
year=int(input('Enter the year : '))
if (year%4==0):
    if(year%100==0):
        if(year%400==0):
            print(year,'is a leap year')
        else:
            print(year,'is not a leap year')
    print(year,'is a leap year')
else:
    print(year,'is not a leap year')
```

OUTPUT:

Enter the year : 2020

2020 is a leap year

Program:

```python
ch=input('Enter character : ')
if (ch>='A' and ch<='Z'):
    ch='U'
elif (ch>='a' and ch<='z'):
    ch='L'
else:
    print('Enter valid input')
print(ch)
```

Output:

```
Enter character : a
L
```

Program:

```python
salary=int(input('Enter salary : '))
print('The salary amount is',salary)
gender=input('Enter your gender : ')
if (gender=='Male' or gender=='MALE' or gender=='male'):
    bonus=(10/100)*salary
elif (gender=='Female' or gender=='FEMALE' or gender=='female'):
    bonus=(12/100)*salary
else:
    print('Enter valid input')
print('The bonus is',bonus)
print('The total amount is',salary+bonus)
```

Output:

```
Enter salary : 10000

The salary amount is 10000

Enter your gender : male

The bonus is 1000.0

The total amount is 11000.0
```