2.Operators

1. Write a function for arithmetic operators(+,-,*,/)
2. Write a method for increment and decrement operators(++, --)
3. Write a program to find the two numbers **equal or not**.
4. Program for relational operators (<,<==, >, >==)
5. Print the smaller and larger number

main.py Shell

```
1  # 1st program...
2  a=10
3  b=15
4  c=a+b
5  print(c)
6  d=a-b
7  print(d)
8  e=a*b
9  print(e)
10 f=a/b
11 print(f)
```


```
25
-5
150
0.6666666666666666
> 
```

main.py Shell

```
1  # 2nd program...
2  x = 5
3  x += 1
4  print(x)
5  # Decrement..
6  y = 5
7  y -= 1
8  print(y)
9
```

```
6
4
> 
```

main.py Shell

```
1  # 3rd program...
2  def is_equal(a, b):
3      return a == b
4  if __name__ == "__main__":
5      a = 10
6      b = 10
7      print(is_equal(a, b))
8
```

```
True
> 
```

```python
# 4th program...
def relational_operators():
    a = 10
    b = 20
    print("a < b:", a < b)
    print("a <= b:", a <= b)
    print("a > b:", a > b)
    print("a >= b:", a >= b)
relational_operators()

```

```
a < b: True
a <= b: True
a > b: False
a >= b: False
> 
```

```python
# 5th program
def smaller_larger(num1, num2):
    if num1 < num2:
        smaller = num1
        larger = num2
    else:
        smaller = num2
        larger = num1
    return smaller, larger

smaller, larger = smaller_larger(10, 20
    )
print("The smaller number is", smaller)
print("The larger number is", larger)

```

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main.py

Shell

```
The smaller number is 10
The larger number is 20
> 
```