2.Operators

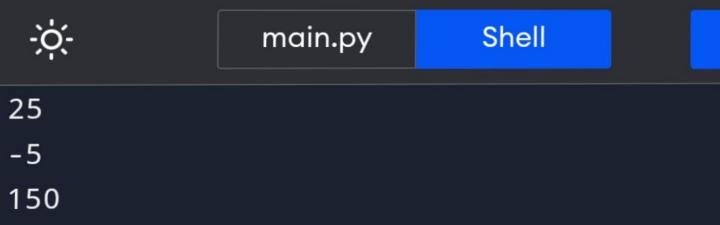
- 1. Write a function for arithmetic operators(+,-,*,/)
- 2. Write a method for increment and decrement operators(++, --)
- 3. Write a program to find the two numbers equal or not.
- 4. Program for relational operators (<,<==, >, >==)
- 5. Print the smaller and larger number

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)



0.666666666666666

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



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

```
1 # 4th program...
2 def relational_operators():
     a = 10
3
     b = 20
4
     print("a < b:", a < b)</pre>
5
     print("a <= b:", a <= b)
6
     print("a > b:", a > b)
```

8

9

10

print("a >= b:", a >= b)

relational_operators()

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

```
1 # 5th program
 2 def smaller_larger(num1, num2):
      if num1 < num2:</pre>
 3
        smaller = num1
 4
 5
        larger = num2
 6
    else:
 7
        smaller = num2
        larger = num1
 8
      return smaller, larger
9
10
    smaller, larger = smaller_larger(10, 20
11
    print("The smaller number is", smaller)
12
    print("The larger number is", larger)
13
14
```

