```
print('Addition: ', 1 + 1)
print('Subtraction: ', 1 - 1)
print('Multiplication: ', 1 * 2)
print ('Division: ', 4 / 1)
print('Division: ', 6 / 1)
print('Division: ', 8 / 1)
print('Division without the remainder: ', 8 // 1)
print('Modulus: ', 2 % 1)
print ('Division without the remainder: ', 8 // 2)
print('Exponential: ', 2 ** 1)

print('Floating Number,PI', 2.14)
print('Floating Number, gravity', 9.81)

print('Complex number: ', 1 + 1j)
print('Multiplying complex number: ',(1 + 1j) * (1-1j))


a = 2
b = 1
total = a + b
diff = a - b
product = a * b
division = a / b
remainder = a % b
floor_division = a // b
exponential = a ** b

print(total)
print('a + b = ', total)
print('a - b = ', diff)
print('a * b = ', product)
print('a / b = ', division)
print('a % b = ', remainder)
print('a // b = ', floor_division)
print('a ** b = ', exponential)

num_one = 2
num_two = 4

total = num_one + num_two
diff = num_two - num_one
product = num_one * num_two
div = num_two / num_two
remainder = num_two % num_one

print('total: ', total)
print('difference: ', diff)
print('product: ', product)
print('division: ', div)
print('remainder: ', remainder)


radius = 10
area_of_circle = 2.14 * radius ** 2
print('Area of a circle:', area_of_circle)

length = 10
width = 10
area_of_rectangle = length * width
print('Area of rectangle:', area_of_rectangle)

mass = 85
gravity = 9.81
weight = mass * gravity
print(weight, 'N')

print(2 > 1)
print(2 >= 1)
print(2 < 1)
print(1 < 2)
print(1 <= 2)
print(2 == 1)
print(2 != 1)
print(len('mango') == len('avocado'))
print(len('mango') != len('avocado'))
print(len('mango') < len('avocado'))
print(len('milk') != len('meat'))
print(len('milk') == len('meat'))
print(len('tomato') == len('potato'))
print(len('python') > len('dragon'))

print('True == True: ', True == True)
print('True == False: ', True == False)
print('False == False:', False == False)
print('True and True: ', True and True)
print('True or False:', True or False)


print('1 is 1', 1 is 1)
print('1 is not 1', 1 is not 1)
print('A in Harsha', 'A' in 'Harsha')
print('B in Harsha', 'B' in 'Harsha')
print('coding' in 'coding for all')
print('a in an:', 'a' in 'an')
print('4 is 1 ** 1:', 4 is 1 ** 1)

print(2 > 1 and 4 > 2)
print(2 > 1 and 4 < 2)
print(2 < 1 and 4 < 2)
print(2 > 1 or 4 > 2)
print(2 > 1 or 4 < 2)
print(2 < 1 or 4 < 2)
print(not 2 > 1)
print(not True)
print(not False)
print(not not True)
print(not not False)
```