

# Python Coding Practice Questions on Operators

# 1. Write a function that adds two numbers and returns the result.

# Ans

```
def get_sum_of_two_numbers(number1: int, number2: int) -> int:  
    result = number1 + number2  
    return result
```

# 2. Create a function that subtracts the second argument from the first and returns the difference.

# Ans

```
def subtract_two_numbers(number1: int, number2: int) -> int:  
    difference = number2 - number1  
    return difference
```

# 3. Write a Python function to multiply two integers.

# Ans

```
def multiple_two_numbers(number1: int, number2: int) -> int:  
    result = number1 * number2  
    return result
```

# 4. Create a function that divides two float numbers and returns the result.

# Ans

```
def divide_two_numbers(number1: float, number2: float) -> float:  
    result = number1 / number2  
    return result
```

# 5. Write a function that returns the modulus of two input integers.

# Ans

```
def find_modules_of_two_numbers(number1: int, number2: int) -> int:
    modules = number1 % number2
    return modules
```

# 6. Write a function to compute the average of four numbers using arithmetic operators.

# Ans

```
def average_of_four_numbers(
    number1: int, number2: int, number3: int, number4: int
) -> int:
    sum = number1 + number2 + number3 + number4
    average = sum / 4
    return average
```

# 7. Create a function that returns both the sum and product of two numbers.

# Ans

```
def find_sum_and_product_of_two_numbers(number1: int, number2: int) -> tuple[int, int]:
    sum = number1 + number2
    product = number1 * number2
    return sum, product
```

# 8. Write a function to calculate area of a triangle given base and height using `` and ``.

```
def find_area_of_triangle(base: int, height: int) -> int:
    # formula -> Area = 1/2 * base * height
    area_of_triangle = 1 / 2 * base * height
    return area_of_triangle
```

# 9. Create a program to check whether a given number is even or odd using `` operator.

```
def find_even_or_odd(number: int) -> int:
    is_even = False
```

```
if number % 2 == 0:
    is_even = True
else:
    is_even = False

return is_even
```

**# 10. Write a function that swaps two numbers using only arithmetic operators.**

```
def swap_two_numbers(number1: int, number2: int) -> int:
    number1 = number1 + number2
    number2 = number1 - number2
    number1 = number1 - number2
    return number1, number2
```