# 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