# Python Code Explanation

## Basic Arithmetic Operations

This section performs basic arithmetic operations with two integers:

# Addition  
from numpy.random.mtrand import operator  
a = 10  
b = 5  
sum\_result = a + b  
print("Sum:", sum\_result)  
# Subtraction  
sub\_result = a - b  
print("Difference:", sub\_result)  
# Multiplication  
mul\_result = a \* b  
print("Product:", mul\_result)  
# Division  
div\_result = a / b  
print("Quotient:", div\_result)  
# Modulus (remainder of the division)  
mod\_result = a % b  
print("Remainder:", mod\_result)

## Even or Odd Checker

This section checks if a number entered by the user is even or odd:

try:  
 number = int(input('Masukan integer: '))  
 if number % 2 == 0:  
 print(f'{number} adalah nombor Genap')  
 else:  
 print(f'{number} adalah nombor Ganjil')  
except Exception as e:  
 print(f'Masukan nombor integer sahaja! {e}')

## Simple Calculator

This section takes two numbers and an operator from the user to perform basic operations:

num1 = float(input('Masukan angka pertama: '))  
num2 = float(input('Masukan angka kedua: '))  
operator = input('Masukan operator (+, -, \*, /): ')  
if operator == '+':  
 result = num1 + num2  
elif operator == '-':  
 result = num1 - num2  
elif operator == '\*':  
 result = num1 \* num2  
elif operator == '/':  
 result = num1 / num2  
else:  
 result = 'Operator tidak dapat dikenali'  
print(f'{num1} {operator} {num2} = {result}')

## List Operations

This section demonstrates some operations with lists:

data1 = [1, 42, 8, 6, 3, 82]  
print(data1)  
print(data1[1:-2])  
print(data1[3:-2])  
data2 = ['saya', 'dia', 'kamu', 'hang', 'awak', 'aku', 'depa', 'hangpa', 'kami', 'mereka']  
print(len(data2))  
print(data2[4:-5])

## Tuple Operations

This section demonstrates some operations with tuples:

my\_tuple = (10, 20, 30, 40, 50)  
first\_element = my\_tuple[0]  
third\_element = my\_tuple[2]  
print(my\_tuple)  
print(first\_element)  
print(third\_element)  
my\_tuple2 = ([10, 20, 30],  
 [1, 2, 3],  
 [6, 12, 18])  
print(my\_tuple2[0][2])  
print(my\_tuple2[2][1])  
for r in range (3):  
 for c in range (3):  
 print(my\_tuple2[r][c])