Class 02 Assignment - March 3

 \checkmark Below are the GitHub repository with simple code examples for each of the following Python operators:

- Arithmetic operators
- Assignment operators
- Comparison operators
- Logical operators
- Identity operators
- Membership operators
- Bitwise operators

Arithmetic Operators Example in Python

File: arithmetic_operators.py

```
a = 15
b = 4
print("Addition:", a + b)
print("Subtraction:", a - b)
print("Multiplication:", a * b)
print("Division:", a / b)
print("Modulus:", a % b)
print("Exponentiation:", a ** b)
print("Floor Division:", a // b)
```

Assignment Operators Example in Python

File: assignment_operators.py

Comparison Operators Example in Python

File: comparison_operators.py

```
a = 7
b = 5
print("a == b:", a == b)
print("a != b:", a != b)
print("a > b:", a > b)
print("a < b:", a < b)
print("a >= b:", a >= b)
print("a <= b:", a <= b)
```

Logical Operators Example in Python

File: logical_operators.py

```
x = True
y = False

print("x and y:", x and y)
print("x or y:", x or y)
print("not x:", not x)
```

Identity Operators Example in Python

File: identity_operators.py

$$a = [1, 2, 3]$$

$$b = a$$

$$c = [1, 2, 3]$$

print("a is not c:", a is not c) # True

Membership Operators Example in Python

File: membership_operators.py

nums =
$$[10, 20, 30, 40]$$

print("20 in nums:", 20 in nums)

print("50 not in nums:", 50 not in nums)

Bitwise Operators Example in Python

File: bitwise_operators.py

$$a = 10 # 1010$$

$$b = 4 \# 0100$$