

PYTHON

Assignment

1. Explain what arithmetic operators are in Python and list all the arithmetic operators with examples.
2. Define relational operators in Python. Why are they also called comparison operators? List them with examples.
3. What are logical operators in Python? List the three logical operators and describe their function with examples.
4. Explain the purpose of assignment operators in Python. How do they differ from relational operators?
5. Write a Python program to perform the following arithmetic operations on two numbers: addition, subtraction, multiplication, division, and modulus.
6. Write a Python program that compares two numbers and prints whether the first number is greater than, less than, or equal to the second number.
7. Write a Python program where you start with a variable $x = 10$ and then perform the following operations sequentially: $+= 5$, $-= 2$, $*= 3$, and $/= 4$. Print the result after each operation.
8. Write a Python program that takes two boolean variables, A and B, and prints the result of A and B, A or B, and not A.