

Questions : Day 2: Variables, Data Types, and Operators

Instructions

For every task create a new python file named as `[Your Registration number]_[Task Number].py` and Write your code.

Example:

For `Task 1` file name will be : `PYTHON_BJY24_S_001_TASK1.py`

1. Task: Declare Variables

- Description: Declare a variable `student_name` and assign your name to it. Then, declare a variable `student_age` and assign your age to it. Display both variables.

2. Task: Declare Multiple Variables

- Description: Declare variables `first_name`, `last_name`, and `is_student`, assigning appropriate values to each. Display all the variables.

3. Task: Numeric Data Types

- Description: Declare two variables `a` and `b` with integer values and another two variables `x` and `y` with float values. Display all four variables.

4. Task: Boolean Data Type

- Description: Declare a boolean variable `is_sunny` and assign it a value of `True`. Display the variable.

5. Task: Arithmetic Operations

- Description: Perform addition, subtraction, multiplication, and division on two variables `num1` and `num2`. Display the results of each operation.

6. Task: Modulus and Floor Division

- Description: Find the modulus and perform floor division on `num1` and `num2`. Display the results of each operation.

7. Task: String Operations

- Description: Declare a string variable `greeting` and concatenate it with another string `name`. Display the concatenated result.

8. Task: Check Data Type

- Description: Check the data type of variable `score = 85`. Display the data type.

9. Task: Sequence Data Types

- Description: Declare a string variable `sentence` and print its length. Display the length.

10. Task: Boolean Expression

- Description: Write a boolean expression that checks if `a` is greater than `b` and print the result. Display the result.