

Python Data Types – Coding Assignment

Lesson 02: Data Types

Instructions for Students:

All answers must be written in Python code. Read the explanation carefully to understand what the code should do. Do not write explanations, only write code.

PART 1: EASY LEVEL (Write Simple Code)

- Question 1: Write Python code to create a variable that stores an integer value. Then write another line of code to print its data type.
- Question 2: Write Python code to create a variable that stores a decimal number. Print the value and its data type.
- Question 3: Write Python code to store your name in a variable and print its data type.
- Question 4: Write Python code to store a True or False value in a variable and print its data type.

PART 2: MEDIUM LEVEL (Work With Data Types)

- Question 5: Write Python code to add two numbers and print the result.
- Question 6: Write Python code to join two strings and print the final output.
- Question 7: Write Python code that converts a number stored as text into an integer.
- Question 8: Write Python code that converts an integer into a string.
- Question 9: Write Python code to check and print the data type of any variable.

PART 3: HARD LEVEL (Think and Write Code)

- Question 10: Write Python code that multiplies a string by a number and prints the result.
- Question 11: Write Python code to create a list that stores at least three different data types.
- Question 12: Write Python code to access and print the first and second values from a list.
- Question 13: Write Python code to create a dictionary that stores a person's name and age.
- Question 14: Write Python code that compares two numbers and prints True or False.
- Question 15: Write Python code that checks the data type of each item inside a list.