**✅ Program Statement**

**Write a Python program that defines one variable of each major data type (int, float, complex, bool, str, list, tuple, set, dict, NoneType) and prints the value and its data type on separate lines.**

**✅ Sample Output**

Value: 10, Type: <class 'int'>

Value: 3.14, Type: <class 'float'>

Value: (2+3j), Type: <class 'complex'>

Value: True, Type: <class 'bool'>

Value: Hello, Type: <class 'str'>

Value: [1, 2, 3], Type: <class 'list'>

Value: (1, 2, 3), Type: <class 'tuple'>

Value: {1, 2, 3}, Type: <class 'set'>

Value: {'a': 1, 'b': 2}, Type: <class 'dict'>

Value: None, Type: <class 'NoneType'>

Code:

# Defining variables of different data types

a = 10 # int

b = 3.14 # float

c = 2 + 3j # complex

d = True # bool

e = "Hello" # str

f = [1, 2, 3] # list

g = (1, 2, 3) # tuple

h = {1, 2, 3} # set

i = {'a': 1, 'b': 2}# dict

j = None # NoneType

# Printing values and their types

print(f"Value: {a}, Type: {type(a)}")

print(f"Value: {b}, Type: {type(b)}")

print(f"Value: {c}, Type: {type(c)}")

print(f"Value: {d}, Type: {type(d)}")

print(f"Value: {e}, Type: {type(e)}")

print(f"Value: {f}, Type: {type(f)}")

print(f"Value: {g}, Type: {type(g)}")

print(f"Value: {h}, Type: {type(h)}")

print(f"Value: {i}, Type: {type(i)}")

print(f"Value: {j}, Type: {type(j)}")