Python Assignment
Introduction to Python

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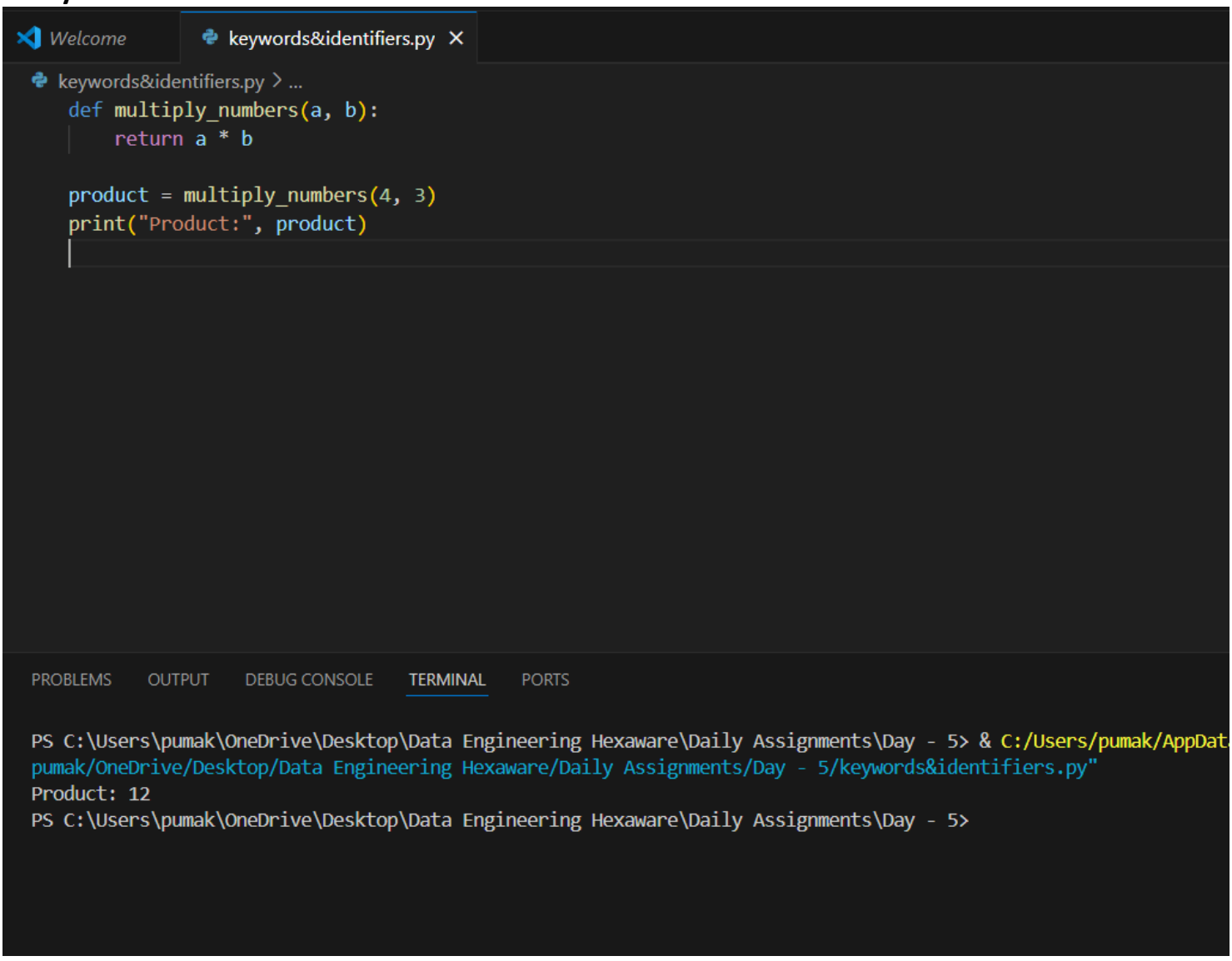
1.Keywords and Identifiers:



2.Variables and operators:

variables&operators.py > x

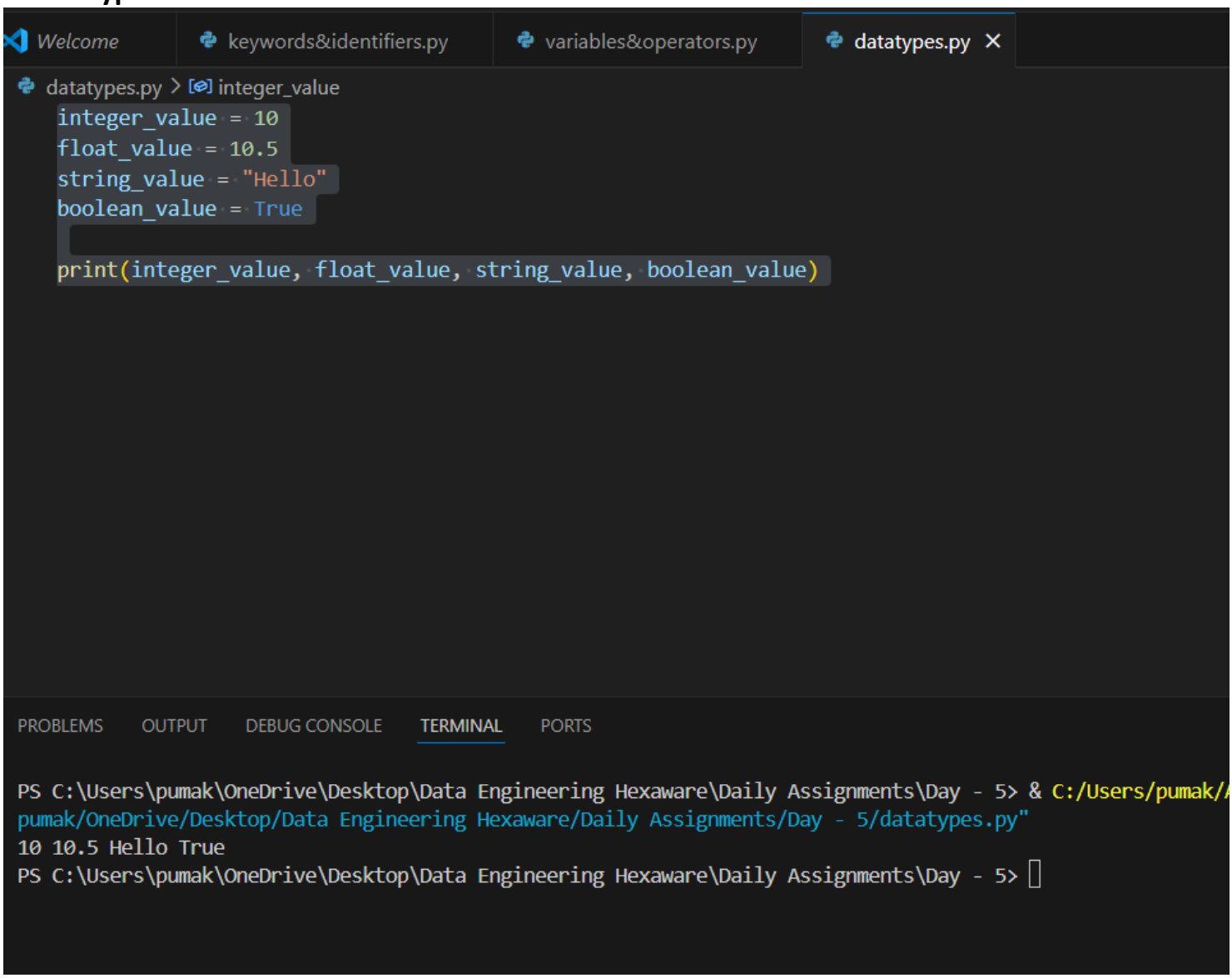
```python
x = 12
y = 7

print("Addition:", x + y)
print("Subtraction:", x - y)
print("Multiplication:", x * y)
print("Division:", x / y)
print("Is x greater than y?", x > y)
print("Is x equal to y?", x == y)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\pumak\OneDrive\Desktop\Data Engineering Hexaware\Daily Assignments\Day - 5> & C:
pumak/OneDrive/Desktop/Data Engineering Hexaware/Daily Assignments/Day - 5/keywords&identifi
Product: 12
PS C:\Users\pumak\OneDrive\Desktop\Data Engineering Hexaware\Daily Assignments\Day - 5> & C:
pumak/OneDrive/Desktop/Data Engineering Hexaware/Daily Assignments/Day - 5/variables&operato
Addition: 19
Subtraction: 5
Multiplication: 84
Division: 1.7142857142857142
Is x greater than y? True
Is x equal to y? False
PS C:\Users\pumak\OneDrive\Desktop\Data Engineering Hexaware\Daily Assignments\Day - 5>
```

3.Datatypes:


Welcome
keywords&identifiers.py
variables&operators.py
datatypes.py
datatypes.py > integer_value
integer_value = 10
float_value = 10.5
string_value = "Hello"
boolean_value = True
print(integer_value, float_value, string_value, boolean_value)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\pumak\OneDrive\Desktop\Data Engineering Hexaware\Daily Assignments\Day - 5> & C:/Users/pumak/
pumak/OneDrive/Desktop/Data Engineering Hexaware/Daily Assignments/Day - 5/datatypes.py"
10 10.5 Hello True
PS C:\Users\pumak\OneDrive\Desktop\Data Engineering Hexaware\Daily Assignments\Day - 5>

4.Numeric:

Welcome | keywords&identifiers.py | variables&operators.py | datatypes.py | nume

numeric.py > a

```
a = 15
b = 2.5
c = 1 + 2j

print("Integer:", a)
print("Float:", b)
print("Complex:", c)
print("Addition of a and b:", a + b)
print("Real part of c:", c.real)
print("Imaginary part of c:", c.imag)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\pumak\OneDrive\Desktop\Data Engineering Hexaware\Daily Assignments\Day - 5> & C:/Use
pumak/OneDrive/Desktop/Data Engineering Hexaware/Daily Assignments/Day - 5/numeric.py"
Integer: 15
Float: 2.5
Complex: (1+2j)
Addition of a and b: 17.5
Real part of c: 1.0
Imaginary part of c: 2.0
PS C:\Users\pumak\OneDrive\Desktop\Data Engineering Hexaware\Daily Assignments\Day - 5>
```

5.Sequence:

sequence.py > ...

```python
list_example = [1, 2, 3, 4]
tuple_example = (5, 6, 7, 8)
string_example = "Python"

print("List:", list_example)
print("Tuple:", tuple_example)
print("String:", string_example)
print("List element:", list_example[2])
print("Tuple element:", tuple_example[1])
print("Substring:", string_example[0:3])
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\pumak\OneDrive\Desktop\Data Engineering Hexaware\Daily Assignments\Day - 5> & C:
pumak/OneDrive/Desktop/Data Engineering Hexaware/Daily Assignments/Day - 5/sequence.py"
List: [1, 2, 3, 4]
Tuple: (5, 6, 7, 8)
String: Python
List element: 3
Tuple element: 6
Substring: Pyt
PS C:\Users\pumak\OneDrive\Desktop\Data Engineering Hexaware\Daily Assignments\Day - 5>
```

6.Boolena.py:

```python
x = 10
y = 20

print(x > y)
print(x < y)
print(x == 10)
print(y != 20)
print(bool(0))
print(bool(1))
```

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\pumak\OneDrive\Desktop\Data Engineering Hexaware\Daily Assignments\Day -
pumak/OneDrive/Desktop/Data Engineering Hexaware/Daily Assignments/Day - 5/boolena.py
False
True
True
False
False
True
PS C:\Users\pumak\OneDrive\Desktop\Data Engineering Hexaware\Daily Assignments\Day -
```