Dave530Week1

December 4, 2024

```python
[1]: # 2.1 Exercise: Preparing for Exploratory Data Analysis
```

```python
[7]: # Display the text "Hello World! My name is ...."

     print("Hello World! My name is Jyoti")
```

```
Hello World! My name is Jyoti
```

```python
[9]: # Add two numbers together
     a = 100
     b = 50
     addition = a + b
     print("Addition:", addition)
```

```
Addition: 150
```

```python
[11]: # Subtract a number from another number
      subtraction = a - b
      print("Subtraction:", subtraction)
```

```
Subtraction: 50
```

```python
[13]: # Multiply two numbers
      multiplication = a * b
      print("Multiplication:", multiplication)
```

```
Multiplication: 5000
```

```python
[15]: # Divide between two numbers
      division = a / b
      print("Division:", division)
```

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Division: 2.0
```

```python
[17]: # Concatenate two strings together (any words)
      string1 = "Hello"
      string2 = "World"
      concatenation = string1 + " " + string2
      print("Concatenation:", concatenation)
```

```
Concatenation: Hello World
```

```python
[19]:  # Create a list of 4 items (can be strings, numbers, both)
       my_list = [0, "Data science", 100.100, True]
       print("List:", my_list)
```

List: [0, 'Data science', 100.1, True]

```python
[21]:  # Append an item to your list (again, can be a string, number)
       my_list.append("530")
       print("Updated List:", my_list)
```

Updated List: [0, 'Data science', 100.1, True, '530']

```python
[23]:  # Create a tuple with 4 items (can be strings, numbers, both)
       my_tuple = (0, "Data science", 100.100, True)
       print("Tuple:", my_tuple)
```

Tuple: (0, 'Data science', 100.1, True)