

## **Day 5: In-Class Assignment - Tuples and Sets**

### Exercises:

#### 1. Tuple Manipulation:

- Create a tuple of your favorite movies.
- Print the length of the tuple.
- Access and print the second movie in the tuple.
- Create a new tuple containing the first three movies from the original tuple.

#### 2. Set Operations:

- Create two sets of integers:  $\text{set1} = \{1, 2, 3, 4, 5\}$  and  $\text{set2} = \{3, 4, 5, 6, 7\}$ .
- Find and print the intersection of set1 and set2.
- Find and print the elements that are in set1 but not in set2.
- Add the number 8 to set1.

#### 3. Tuple and Set Conversion:

- Create a list of fruits.
- Convert the list into a tuple.
- Convert the tuple into a set.
- Print the resulting set (note that duplicates will be removed).