**1. Print the 4th element from first and 4th element from last in a tuple**

t = (5, 10, 15, 20, 25, 30, 35, 40)

print("4th element from start:", t[3]) # Indexing starts from 0

print("4th element from end:", t[-4])

**2. Check whether an element exists in a tuple or not**

t = (10, 20, 30, 40, 50)

x = int(input("Enter element to check: "))

if x in t:

print(x, "exists in the tuple.")

else:

print(x, "does not exist in the tuple.")

**3. Convert a list into a tuple**

lst = [1, 2, 3, 4, 5]

t = tuple(lst)

print("Converted tuple:", t)

**4. Find the index of an item in a tuple**

t = ('a', 'b', 'c', 'd', 'e')

x = input("Enter item to find index: ")

if x in t:

print("Index of", x, "is:", t.index(x))

else:

print(x, "is not in the tuple.")

**5. Replace last value of tuples in a list with 100**

**Sample Input:**  
[(10, 20, 40), (40, 50, 60), (70, 80, 90)]  
**Expected Output:**  
[(10, 20, 100), (40, 50, 100), (70, 80, 100)]

list\_of\_tuples = [(10, 20, 40), (40, 50, 60), (70, 80, 90)]

updated\_list = [t[:-1] + (100,) for t in list\_of\_tuples]

print("Updated list:", updated\_list)