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Python - Collections, Functions And Modules In Python Batch – 10\_june\_Python;

**Module – 7**

**4. Tuple**

**Q1]. Introduction to tuples, immutability.**

**▪ Introduction to tuples, immutability**

**A tuple is an ordered, immutable collection of elements. Once created, its elements cannot be changed.**

**my\_tuple = (1, "abc", 3.14)**

**Immutability:**

**# my\_tuple[0] = 5 # This will raise an error**

**Q2]. Creating and accessing elements in a tuple.**

**▪ Creating and accessing elements in a tuple**

**my\_tuple = (10, 20, 30)**

**print(my\_tuple[0]) # 10**

**print(my\_tuple[-1]) # 30**

**Q3]. Basic operations with tuples: concatenation, repetition, membership.**

**▪ Basic operations with tuples: concatenation, repetition, membership**

**Concatenation:**

**a = (1, 2)**

**b = (3, 4)**

**c = a + b # (1, 2, 3, 4)**

**Repetition:**

**a \* 2 # (1, 2, 1, 2)**

**Membership:**

**2 in a # True**

**5 not in a # True**