Unit 4 - Lesson 7 - Introduction to Tuples, Basic Tuples Operations

About this unit

Introduction to Tuples, Basic Tuples Operations

Introduction to Tuples

Unit - 100% completed

Basic Tuples Operations

Unit - 100% completed

Tuples - Python

Assessmen

Introduction to Tuples About this unit Introduction to Tuples 1 Introduction to tuples Write a Program to Convert a User given List into Tuple. Question



36.1.1. Introduction to tuples A tuple is a mutable list. A tuple is similar to a list in Python, but it is immutable, meaning its elements cannot be changed after Tuples are slower when compared to lists. creation, providing a fixed and ordered collection of values. Elements of a tuple are enclosed in parenthesis (). Tuples can be used as keys in dictionaries. Once a tuple has been created, addition or deletion of elements to a tuple is not possible due to its immutable nature. Elements of a tuple are enclosed in parenthesis. **Functions** Description Example Addition and deletion of elements is possible in a tuple. It is possible to create tuples which contain mutable objects, such a Converts a given tuple into a list. list() Converts a given list into a tuple. tuple() Benefits of Tuple: · Tuples are faster than lists. · Since a tuple is immutable, it is preferred over a list to have the data write-protected. · Tuples can be used as keys in dictionaries unlike lists.

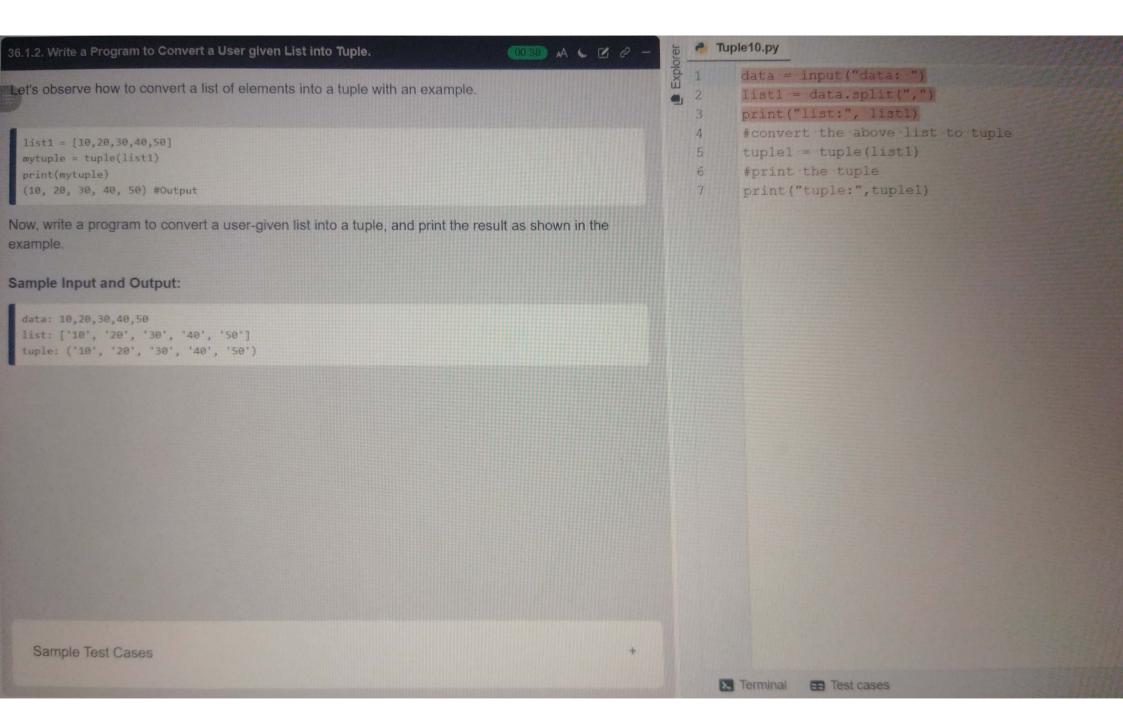
Tuples can contain a list as an element and the elements of the list can be modified as we know that

the lists are mutable.

Let's consider a example:



CamScanner





Basic Tuples Operations

About this unit **Basic Tuples Operations** Understanding basic tuple operations Understanding tuple assignment ② Understanding Tuple Repetition and Concatenation Membership test in a Tuple Oeleting a tuple Write a Program to Add an element into Tuple based on user given Value in Specific Index



