

Python-

TuplesAssignment

Questions

Assignment

Q1. What is a tuple in Python?

Ans. Tuples are used to store multiple data in a single variable. Tuple is collection which is order and unchangeable. example: `t = (1,2,3,"pwwskills",5+3j)`

Q2. How do you create a tuple in Python?

Ans. A tuple is created by placing all the items (elements) inside the parentheses() and separated by commas (,) like `t = (1,2,3)`

Q3. What is the difference between a tuple and a list in Python?

Ans.

Lists	Tuples
<ol style="list-style-type: none">1. Lists are mutable.2. List is a group of commas separated values within Square brackets.3. Example: <code>list1 = [1,2,3,4,5]</code>4. We can modify lists.	<ol style="list-style-type: none">1. Tuples are immutable.2. Tuples is a group of comma separated values within Parentheses brackets.3. Example: <code>t = (1,2,3,"tuples")</code> <code>t= 1,2,3,"tuples"</code>4. We cannot modify tuples.

Q4. Can a tuple be changed in Python?

Ans. Once a tuple is created we cannot change its values. Tuples are immutable or unchangeable.

Q5. How do you access elements in a tuple?

Ans. We can access elements in a tuple the same as do in list and string. We can access the elements simply by indexing and slicing.

Q6. How do you unpack a tuple in Python?

Ans. Use the * operator to assign remaining elements of an unpacking assignment into a list and assign it to a variable.

Note: Create your assignment in Jupyter notebook and upload it to GitHub & share that github repository link through your dashboard. Make sure the repository is public.

Python Foundations