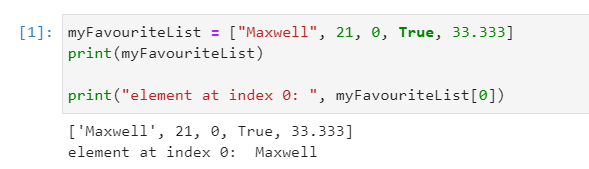
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Assignment 6

Q1. What is a list?

A1. A list in python stores an ordered collection of items that can be of different types.



Q2. What is a dictionary?

A2. A Dictionary (called associative array in other languages) is a collection of key-value pairs. The key maps to the value. Like the positions in an array but you specify the key.

Dictionary is {}{}{}{}{}{} with key : value in each. Elements separated by ,

initialize with

days = {}



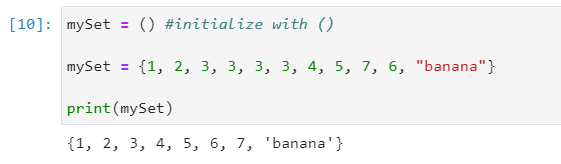
Q3. What is a set?

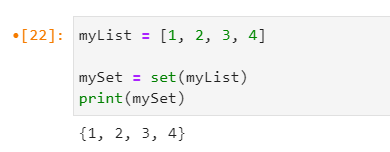
A3. A set is a collection of values. Can store different types. Set elements are immutable.

Immutable means: the elements cannot be changed.

Set is a list where duplicate values are ignored.

Set is {}{}{}{}{} curly brackets. Elements separated by ,



A list can be turned into a set.

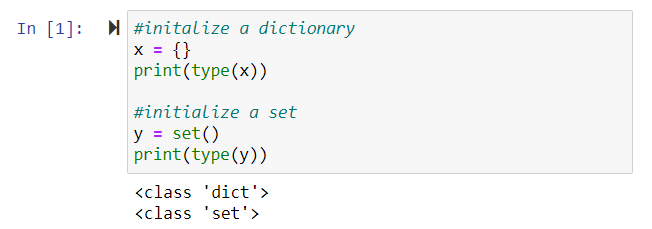
Q4. What is a tuple?

A4. An ordered collection of objects. Like a list but immutable. The elements of tuples cannot be changed.

Graphical user interface, text, application

Description automatically generated with medium confidence

Q5. Differentiate between dictionary and set, give example code, output, and paste it. (2 points)



Summary

List - freedom

Tuple - cannot change

Set - cannot change, no duplicates

Dictionary - key-values pairs