* list
* tuple
* set
* dict
* Iterable or Seq
* Exercise 1: Create a list with these elements - **1, 4, 2, 3, 1, 3**. Each element in the list should be of type integer. The list should contain 6 elements.
* Exercise 2: Create a tuple with these elements - **1, Mickey, Mouse, 1000.00**. The tuple should contain 4 elements. While first element is of type integer, last element is of type float and others are of type string.
* Exercise 3: Create a set with these elements - **1, 4, 2, 3**.
* Exercise 4: Create a dict for **1, Mickey, Mouse, 1000.00**. The respective keys are **id, first\_name, last\_name, salary**.

1. What is Python?

a) A programming language

b) A database language

c) A data warehousing tool

d) A tool for data analysis

Answer: A

1. Which of the following is not a Python core collection?

a) List

b) Tuple

c) Set

d) Stack

Answer: D

1. Which of the following is an ordered and mutable collection in Python?

a) List

b) Tuple

c) Set

d) Dictionary

Answer: A

1. Which of the following is an ordered and immutable collection in Python?

a) List

b) Tuple

c) Set

d) Dictionary

Answer: B

1. Which of the following is an unordered and mutable collection in Python?

a) List

b) Tuple

c) Set

d) Dictionary

Answer: C

1. Which of the following is an unordered and immutable collection in Python?

a) List

b) Tuple

c) Dictionary

d) None of the above

Answer: None of the above

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

a) Lists are ordered and immutable, while tuples are unordered and mutable

b) Lists are ordered and mutable, while tuples are ordered and immutable

c) Lists and tuples are the same thing

d) Lists and tuples are both unordered and immutable

Answer: B

1. Which of the following is a benefit of using a set in Python?

a) Sets are ordered

b) Sets allow duplicate values

c) Sets are mutable

d) Sets remove duplicate values

Answer: D

1. Which of the following is a benefit of using a dictionary in Python?

a) Dictionaries are ordered

b) Dictionaries allow duplicate keys

c) Dictionaries are mutable

d) Dictionaries provide fast key-value lookups

Answer: D

1. Which of the following is an example of an iterable and sequence in Python?

a) List

b) Tuple

c) Set

d) Dictionary

Answer: A and B (Lists and Tuples are iterable/sequence in Python)