* Create a set
* Add elements to the set
* Check if the element exists in the set
* Remove elements from the set
* Perform set operations
* Convert list to set
* Convert set to list
* Exercise 1: Get unique characters from a string - itversity inc
* Exercise 2: Get common elements from 2 lists as a set.
* Exercise 3: Get all unique elements from 2 lists as a set.

1. What is a set in Python?

a) A set is an ordered collection of elements

b) A set is an unordered collection of elements

c) A set is a collection of key-value pairs

d) A set is a collection of functions

Answer: b) A set is an unordered collection of elements

1. How do you create an empty set in Python?

a) s = {}

b) s = set()

c) s = set([])

d) s = set(())

Answer: b) s = set()

1. How do you add an element to a set in Python?

a) s.add(element)

b) s.insert(element)

c) s.append(element)

d) s.add\_element(element)

Answer: a) s.add(element)

1. How do you check if an element exists in a set in Python?

a) element in s

b) s.has(element)

c) s.contains(element)

d) s.exist(element)

Answer: a) element in s

1. How do you remove an element from a set in Python?

a) s.remove(element)

b) s.discard(element)

c) s.delete(element)

d) Both a and b

Answer: d) Both a and b

1. What is the intersection of two sets?

a) The union of the two sets

b) The difference of the two sets

c) The elements that are common to both sets

d) The elements that are in one set but not the other

Answer: c) The elements that are common to both sets

1. How do you perform the intersection of two sets in Python?

a) s1.intersection(s2)

b) s1.union(s2)

c) s1.difference(s2)

d) s1.symmetric\_difference(s2)

Answer: a) s1.intersection(s2)

1. What is the difference of two sets?

a) The union of the two sets

b) The intersection of the two sets

c) The elements that are in one set but not the other

d) The elements that are common to both sets

Answer: c) The elements that are in one set but not the other

1. How do you convert a list to a set in Python?

a) set(list)

b) list(set)

c) set(list())

d) list(set())

Answer: a) set(list)

1. How do you convert a set to a list in Python?

a) list(set)

b) set(list)

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d) set(list())

Answer: a) list(set)