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| Close-up image showing the leaf-sides of two oversized books side-by-side on a bookshelf, with additional books in soft focus background |
| Samkary parmaga  Exam on level4 |
| |  |  |  | | --- | --- | --- | | Write by Mahmoud mohammed |  |  | |

Note: Before starting, the exam is 5 minutes long and has 10 questions. If the person closes all the questions, he will get a 50% discount. If he closes it after the appointed time, he will get a 25% discount. The entire exam is multiple-choice questions.

1. What is a tuple?

* A collection that is ordered and changeable.
* A collection that is unordered and allows duplicates.
* A collection that is ordered and unchangeable.
* A collection that has key-value pairs.

1. Which symbol is used to create a set?

* []
* ()
* {}
* <>

1. How can you access an element in a set?

* Using an index.
* Using a key.
* Using a for loop or membership operator.
* Using the len() function.

1. What method is used to remove an element from a set?

* append()
* insert()
* remove()
* clear()

1. What will be the output of the following code?  
   set1 = {1, 2, 3, 3, 4}  
   print(set1)

* {1, 2, 3, 3, 4}
* {1, 2, 3, 4}
* {3, 4}
* Error

1. Which of the following data types cannot be used as a key in a dictionary?

* string
* list
* tuple
* int

1. What will the following code output?  
   d = {'a': 1, 'b': 2}  
   d['c'] = 3  
   print(d)

* {'a': 1, 'b': 2}
* {'a': 1, 'b': 2, 'c': 3}
* {'a': 1, 'b': 2, 'c': 2}
* Error

1. What will happen if you use the pop() method on an empty set?

* It will remove the last item.
* It will raise an error.
* It will return None.
* It will create a new empty set.

1. How do you define a function in Python?

* function name():
* def name[]:
* def name():
* function name[]:

1. Which of the following statements is true about functions?

* Functions can have only one parameter.
* Functions always return a value.
* Functions help organize code.
* Functions cannot call other functions.