

| List | Tuple |
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| A list is a non-homogeneous data structure that stores the elements in columns of a single row or multiple rows. | A Tuple is also a non-homogeneous data structure that stores elements in columns of a single row or multiple rows. |
| The list can be represented by [] | Tuple can be represented by () |
| The list allows duplicate elements | Tuple allows duplicate elements |
| The list can use nested among all | Tuple can use nested among all |
| Example: [1, 2, 3, 4, 5] | Example: (1, 2, 3, 4, 5) |
| A list can be created using the list() function | Tuple can be created using the tuple() function. |
| A list is mutable i.e we can make any changes in the list. | A tuple is immutable i.e we can not make any changes in the tuple. |
| List is ordered | Tuple is ordered |
| Creating an empty list l=[] | Creating an empty Tuple t=() |

| Set | Dictionary |
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| The set data structure is also a non-homogeneous data structure but stores the elements in a single row. | A dictionary is also a non-homogeneous data structure that stores key-value pairs. |
| The set can be represented by { } | The dictionary can be represented by { } |
| The Set will not allow duplicate elements | The dictionary doesn't allow duplicate keys. |
| The set can use nested among all | The dictionary can use nested among all |
| Example: {1, 2, 3, 4, 5} | Example: {1: "a", 2: "b", 3: "c", 4: "d", 5: "e"} |
| A set can be created using the set() function | A dictionary can be created using the dict() function |
| A set is mutable i.e we can make any changes in the set, its elements are not duplicated. | A dictionary is mutable, its Keys are not duplicated. |
| Set is unordered | Dictionary is ordered (Python 3.7 and above) |
| Creating a set a=set() | Creating an empty dictionary d={} |