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| **List** | **Tuple** | **Set** | **Dictionary** |
| List is a non-homogeneous data structure that stores the elements in single row and multiple rows and columns | Tuple is also a non-homogeneous data structure that stores single row and multiple rows and columns | Set data structure is also non-homogeneous data structure but stores in single row | Dictionary is also a non-homogeneous data structure which stores key value pairs |
| List can be represented by [ ] | Tuple can be represented by  ( ) | Set can be represented by { } | Dictionary  can be represented by { } |
| List allows duplicate elements | Tuple allows duplicate elements | Set will not allow duplicate elements | Dictionary doesn’t allow duplicate keys. |
| List can use nested among all | Tuple can use nested among all | Set can use nested among all | Dictionary can use nested among all |
| Example: [1, 2, 3, 4, 5] | Example: (1, 2, 3, 4, 5) | Example: {1, 2, 3, 4, 5} | Example: {1: “a”, 2: “b”, 3: “c”, 4: “d”, 5: “e”} |
| List can be created using **list()**function | Tuple can be created using **tuple()** function. | Set can be created using **set()** function | Dictionary can be created using **dict()**function. |
| List is mutable i.e we can make any changes in list. | Tuple  is immutable i.e we can not make any changes in tuple | Set is mutable i.e we can make any changes in set. But elements are not duplicated. | Dictionary is mutable. But Keys are not duplicated. |
| List is ordered | Tuple is ordered | Set is unordered | Dictionary is ordered (Python 3.7 and above) |
| Creating an empty list  l=[] | Creating an empty Tuple  t=() | Creating a set  a=set()  b=set(a) | Creating an empty dictionary  d={} |