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| List | Dictionary | Tuple | Set |
| 1.It is a collection of both homogeneous and heterogeneous elements. (I.e any data type) | 1.It is an unordered set of key:value pair | 1.It is a collection of both homogeneous and heterogeneous elements. It is same as list. | 1.It is an unordered collection of heterogeneous (unique) elements |
| 2. Enclosed in square brackets[ ] | 2.These are generated by writing within a flower bracket { }separated by a colon(:). | 2.Enclosed in parantheses ( ). | 2.Enclosed in flower bracket{ }. |
| 3.Eg:list =[10,20,”shappu",True] | 3.Eg:{‘one':’delhi’,’two':’hyderabad’,’three':’chennai'} | 3.tup1=(28 ,69,”shappu",True) | 3.set1={1,2 3,”shappu",True} |
| 4. mutable | 4. Mutable | 4.Immutable | 4.mutable(we can add and remove the elements from a set but cannot modify the existing elements in a set) |
| 5. Order is preserved. | 5.It is unordered | 5.order is preserved. | 5.order is not preserved. |
| 6.Duplicates are allowed | 6.duplicate keys are not allowed but duplicate values are allowed. | 6.Duplicate values are allowed. | 6.Duplicate values are not allowed |
| 7.indexing,slicing,concatenation and multiplication is possible. | 7.indexing,slicing,concatenation and multiplication not possible. | 7.indexing,slicing,concatenation and multiplication is possible. | 7.indexing,slicing,concatenation and multiplication is not possible. |