

**Dictionary Data Structure:**

- It's a heterogenous DS.
- It's represented by dict() or {key:value} or {}.
- Here the keys are immutable and the values are mutable.
- Eg: d1={'name':'yashu','phno':'3334445566','place':'blore'}
- To get key: d1.keys()
- To get values:d1.values()
- To add element: d1['country']='India'
- To update: d1['phno']='9807654321'
- To pop last item: d1.popitem()
- To perform manual creation of table we use library 'panda'.
- Why we use dict() is to create a table in python manually.

**Str DS: It's also a heterogenous DS**

- Str is immutable.
- It's represented by str() or ' ' or "".
- To add we do concatenation
- Eg:s='hi'

S=s+'hello'

O/P:'hi hello'