List

```
lst=["ranjan",723,56.8,[1,2,3]]
lst
```

    [→] ['ranjan', 723, 56.8, [1, 2, 3]]

```
lst=[913,754.45,"python"]
lst.append(1000)
lst
```

    [→] [913, 754.45, 'python', 1000]

```
lst=["ranjith",478,900,12.345]
lst.index(900)
lst
```

    [→] ['ranjith', 478, 900, 12.345]

```
lst=["hello",765,1.45]
lst.pop(1)
lst
```

    [→] ['hello', 1.45]

```
lst=["hello",7.54,83]
lst.insert(1,67)
lst
```

    [→] ['hello', 67, 7.54, 83]

```
lst=["hello",5.43]
lst.copy()
lst
```

    [→] ['hello', 5.43]

```
lst=["python",99,344.56]
lst.clear()
lst
```

    [→] []

```
lst=[1,34.63,9302,"python"]
lst.reverse()
lst
```

    [→] ['python', 9302, 34.63, 1]

Dictionary

```
dit={"name":"ranjith","age":"20","subject":"python","number":"123456"}
dit.get("name")
```

> 'ranjith'

```
dit={"name":"ranjith","age":"20","subject":"python","number":"123456"}
dit.items()
```

> dict_items([('name', 'ranjith'), ('age', '20'), ('subject', 'python'), ('number

```
dit={"name":"ranjith","age":"20","subject":"python","number":"123456"}
dit.pop("number")
```

> '123456'

```
dit={"apple":33,"orange":45,"mango":76,"grapes":90}
dit.popitem()
```

> ('grapes', 90)

```
dit={"apple":33,"orange":45,"mango":76,"grapes":90}
dit.keys()
```

> dict_keys(['apple', 'orange', 'mango', 'grapes'])

```
dit={"name":"ranjith"}
dit1={"age":20}
dit.update(dit1)
dit
```

> {'age': 20, 'name': 'ranjith'}

```
dit={"apple":30,"orange":45,"mango":90,"number":68392}
dit.values()
```

> dict_values([30, 45, 90, 68392])

sets

```
st={"ranji","python",123,49.5,9}
st
```

```
        {123, 49.5, 9, 'python', 'ranji'}


st={"python","letsupgrade",123,98.5}
st1={"apple"}
st1.issubset(st)

        False


st={"python","letsupgrade",123,98.5}
st1={"python"}
st1.issuperset(st)

        False


st={"python","letsupgrade",123,98.5}
st.pop()

        'letsupgrade'


st={"python","javascript",9100}
st1={"apple","python"}
st.intersection(st1)

        {'python'}


st={"python","javascript",9100}
st1={"apple"}
st.union(st1)

        {9100, 'apple', 'javascript', 'python'}
```

▾ Tuples

```
tup=("ranjith","ranjan","prince")
tup

        ('ranjith', 'ranjan', 'prince')


tup=("java","python","letsupgrade")
tup.index("python")

        1


tup=("java","python","letsupgrade","java")
tup.count("java")
```

```
tup=("apple","orange","mango","kiwi","grapes")
tup[2]
```

⊳ 'mango'

```
tup=(45,63,89,100,2)
len(tup)
```

⊳ 5

```
tup=(9923,9943,9935,7453,5480,9463)
max(tup)
```

⊳ 9943

```
tup=(9923,9943,9935,7453,5480,9463)
min (tup)
```

⊳ 5480

▾ Strings

```
var1="hello"
var2="welcome to python programming"
var1[3]
```

⊳ 'l'

```
str="welcome to python programming"
p="mm"
str.find(p)
```

⊳ 24

```
str="hello world"
str.isalpha()
```

⊳ False

```
str="12349050"
str.isdigit()
```

⊳ True

```
str="I am learning"
str.islower()
```

```
    ⤷  False
```

```
str="WHERE ARE YOU"
str.isupper()
```

```
    ⤷   True
```

```
str="ranjith04738"
str.isnumeric()
```

```
    ⤷  False
```

```
str="This Is Python"
str.istitle()
```

```
    ⤷   True
```

```
str="***Welcome to python***"
str.strip("*")
```

```
    ⤷   'Welcome to python'
```

```
str="Learn Python"
str.swapcase()
```

```
    ⤷   'lEARN pYTHON'
```

```
str="welcome to python"
str.zfill(25)
```

```
    ⤷   '00000000welcome to python'
```

```
str="238490"
str.isdecimal()
```

```
    ⤷   True
```