

Sets

Create a set "s" with elements

1, 2, 'innomatics', 'hub'

In [1]:

CODE HERE

In [2]:

```
s = {1,2,'innomatics','hub'}  
print(s)
```

{1, 2, 'hub', 'innomatics'}

Add element 'Technology' in s

In [3]:

CODE HERE

In [4]:

```
s.add('Technology')  
print(s)
```

{'Technology', 1, 2, 'hub', 'innomatics'}

Create one more set "sc" with elements

3,4, 'hub', 'Technology'

In [5]:

CODE HERE

In [6]:

```
sc = {3,4,'hub','Technology'}
```

In [7]:

```
sc
```

Out[7]:

```
{3, 4, 'Technology', 'hub'}
```

Find difference of two sets s and sc

s - sc

In [8]:

```
# CODE HERE
```

In [9]:

```
print(s-sc)
```

```
{1, 2, 'innomatics'}
```

remove 2 from set s

In [10]:

```
s
```

Out[10]:

```
{1, 2, 'Technology', 'hub', 'innomatics'}
```

In [11]:

```
# CODE HERE
```

In [12]:

```
s.remove(2)  
print(s)
```

```
{'Technology', 1, 'hub', 'innomatics'}
```

Print common element in two sets s and sc

s intersection sc

In [13]:

```
# CODE HERE
```

In [14]:

```
common_elements = s.intersection(sc)
common_elements
```

Out[14]:

```
{'Technology', 'hub'}
```

Print all element in two sets

s union sc

In [15]:

```
# CODE HERE
```

In [16]:

```
all_elements = s.union(sc)
all_elements
```

Out[16]:

```
{1, 3, 4, 'Technology', 'hub', 'innomatics'}
```