Assignment Instructions

Hello Innominion,

- **Try to attempt all the questions in every possible way.**
- **Some other topics are required to solve some questions. don't panic.**
- **Those questions can be answered after the topics are taught.**

- Join Mentoring Session for the Support/Doubts Resolving with Our Technical Mentors (2.00 PM - 6.00 PM Mon-Sat)

Happy Learning !!!

Sets

> **Question: Create a set "s" with elements**

1 , 2 , 'innomatics', 'hub'

In [1]:
```
# CODE HERE
s={1,2,"innomatics","hub"}
s
```

Out[1]:
```
{1, 2, 'hub', 'innomatics'}
```

In [9]:
```
s
```

Out[9]:
```
{1, 2, 'hub', 'innomatics'}
```

> **Question: Add element 'Technology' in s**

In [2]:
```
# CODE HERE
s.add('Technology')
s
```

Out[2]:
```
{1, 2, 'Technology', 'hub', 'innomatics'}
```

In [10]:
```

```

Out[10]:
```
{1, 2, 'Technology', 'hub', 'innomatics'}
```

> **Question: Create one more set "sc" with elements**

3,4, 'hub', 'Technology'

In [3]:
```
# CODE HERE
sc={3,4,'hub','Technology'}
sc
```

Out[3]:
```
{3, 4, 'Technology', 'hub'}
```

In [11]:
```

```

In [12]:
```
sc
```

Out[12]:
```
{3, 4, 'Technology', 'hub'}
```

Question: Find difference of two sets s and sc

s - sc

In [4]:
```
# CODE HERE
s.difference(sc)
```

Out[4]:
```
{1, 2, 'innomatics'}
```

In [14]:
```

```

Out[14]:
```
{1, 2, 'innomatics'}
```

Question: remove 2 from set s

In [15]:
```
s
```

Out[15]:
```
{1, 2, 'Technology', 'hub', 'innomatics'}
```

In [7]:
```
# CODE HERE
s={1,2,'Technology','hub','innomatics'}
s.remove(2)
s
```

Out[7]:
```
{1, 'Technology', 'hub', 'innomatics'}
```

In [17]:
```
s
```

Out[17]:
```
{1, 'Technology', 'hub', 'innomatics'}
```

Question: Print common element in two sets s and sc

s intersection sc

In [17]:
```
# CODE HERE
y=s.intersection(sc)
print(y)
```

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

In [18]:
```

```

Out[18]:
```
{'Technology', 'hub'}
```

Question: Print all element in two sets

s union sc

In [18]:
```
# CODE HERE
z=s.union(sc)
print(z)
```

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

In [20]:
```

```

Out[20]:
```
{1, 3, 4, 'Technology', 'hub', 'innomatics'}
```

Question: Add a list of elements to a set

- fruits = {"orange",'apple','kiwi'}
- colors = ['orange','red','green']

In [23]:
```
# CODE HERE
fruits={'orange','apple','kiwi'}
colors={'orange','red','green'}
fruits=fruits.union(colors)
print(fruits)
```

```
{'orange', 'red', 'apple', 'kiwi', 'green'}
```

In [2]:
```
fruits
```

Out[2]:
```
{'apple', 'green', 'kiwi', 'orange', 'red'}
```

Question: Remove items 10, 20, 30 from the following set at once

- set1 = {10, 20, 30, 40, 50}

In [25]:
```
# CODE HERE
set1={10,20,30,40,50}
set1.remove(10)
set1.remove(20)
set1.remove(30)
set1
```

Out[25]:
```
{40, 50}
```

In [4]:
```

```

```
{40, 50}
```

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www.innomatics.in (https:/innomatics.in/)

In [ ]:
```

```