


**Poison.py** X

```

C:\Users\Manas > OneDrive > Documents > Python >  Poison.py > ...
1  a = {1,3,4,5,18,16,14}
2  print(type(a))
3  print(a)
4  b = {}
5  print(type(b)) # This will create an empty dictionary
6  c = set() # An Empty set
7  print(type(c))
8  c.add(4) # Adds an element in the set
9  c.add(18) # Adds an element in the set
10 c.add(16) # Adds an element in the set
11 c.add(34) # Adds an element in the set
12 c.add((4,5,7,3,8,9,10)) # Can only add Immutable Items i.e Tuples
13 # You cannot add Lists or Dictionary
14 print(c)
15 d = set("Hello, World")
16 print("The Element that will be Popped is : ")
17 print(d.pop()) # Will pop or remove and print an element which will be random
18 print(d)
19 print('Length of the Set is : ')
20 print(len(d)) # Prints the length of the Set
21 c.remove(4) # Remove 4 from the Set
22 # Throws an error while trying to remove an element that is not present in the Set
23 print(c)
24 d.clear()
25 print(d)
26 print("The Union and Intersection of sets is : ")
27 x = a.union(c)
28 print(x)
29 y = a.intersection(c)
30 print(y)

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
<class 'set'>
{16, 1, 18, 3, 4, 5}

<class 'dict'>

<class 'set'>
{34, 4, 16, 18, (4, 5, 7, 3, 8, 9, 10)}

The Element that will be Popped is :

H
{'w', 'o', 'r', 'e', 'd', 'l', '_'}

Length of the Set is :

7

{34, 16, 18, (4, 5, 7, 3, 8, 9, 10)}
set()

The Union and Intersection of sets is :

{1, 34, 3, 4, 5, 16, 18, (4, 5, 7, 3, 8, 9, 10)}
{16, 18}
```