```
Traceback (most recent call last):
  File "<pyshell#3>", line 1, in <module>
d={x:'zoo',y:'cat'}
TypeError: unhashable type: 'set'
```

If you find yourself needing to use sets as dictionary keys, you can use frozensets:

```
>>>x=frozenset({1,2,3})
>>>y=frozenset({'a','b','c'})
>>>
>>>d={x:'zoo',y:'cat'}
>>>d
{frozenset({1, 2, 3}): 'zoo', frozenset({'c', 'a', 'b'}): 'cat'}
```

Lab Assignments

SET A

List

1) Write a Python program to sum all the items in a list.
2) Write a Python program to multiplies all the items in a list.
3) Write a Python program to get a list, sorted in increasing order by the last element in each tuple from a given list of non-empty tuples.

Tuples

1) Write a Python program to create a tuple.
2) Write a Python program to create a tuple with different data types.
3) Write a Python program to check whether an element exists within a tuple.

Sets

1) Write a Python program to create a set.
2) Write a Python program to iterate over sets.
3) Write a Python program to create set difference.

Dictionary

1) Write a Python script to sort (ascending and descending) a dictionary by value.
2) Write a Python script to add a key to a dictionary.
3) Write a Python program to iterate over dictionaries using for loops.

SET B

List

1. Write a Python program to remove duplicates from a list.
2. Write a Python program to check a list is empty or not.