WORKSHEET 2.2

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Semester: 4th
Subject Name: Python

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Section/Group: 801-A
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1. Aim:

- **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**
- **Write a Python program to print a specified list after removing the 0th, 4th and 5th elements, Sample List: ['Red', 'Green', 'White', 'Black', 'Pink', 'Yellow'],Expected Output : ['Green', 'White', 'Black']**

2. Source Code:

(a) To sort a list in increasing order by the last element of the tuple

```
print("Name - SABHYA MAHAJAN, UID - 21BCS9200")

def sort_tuple_list(tuple_list):
    return sorted(tuple_list, key=lambda x: x[-1])

my_tuple_list = [(1, 2, 5), (3, 4, 1), (7, 2, 9)]
sorted_tuple_list = sort_tuple_list(my_tuple_list)
print(sorted_tuple_list)
```

(b) Check the uncommon words

```
print("Name - SABHYA MAHAJAN, UID - 21BCS9200")

list1 = ["Red", "Green", "White", "Black", "Pink", "Yellow", "Orange", "Blue"]

del list1[0]
del list1[4]
del list1[5]

print(list1)
```

3. Output:

a)

```
PS C:\> & C:/Users/lenovo/AppData/Local/Programs/Python/Python311/python.ex
e c:/Users/lenovo/OneDrive/Desktop/PRO/Python/first.py
Name - SABHYA MAHAJAN, UID - 21BCS9200
[(3, 4, 1), (1, 2, 5), (7, 2, 9)]
PS C:\Users\lenovo\OneDrive\Desktop\PRO\Python>
```

b)

```
PS C:\Users\lenovo\OneDrive\Desktop\PRO\Python> & C:/User
s/lenovo/AppData/Local/Programs/Python/Python311/python.e
xe c:/Users/lenovo/OneDrive/Desktop/PRO/Python/first.py
Name - SABHYA MAHAJAN, UID - 21BCS9200
['Green', 'White', 'Black', 'Pink', 'Orange']
PS C:\Users\lenovo\OneDrive\Desktop\PRO\Python>
```