

Experiment 2.2

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Branch: CSE

Section/Group:607A

Semester: 4th

Date of Performance: 17/03/2022

Subject Name:Programming in Python Lab

Subject Code: 22E-20CSP-259

1) Aim/Overview of the practical:

Q1. 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.

2) Task to be done/ Which logistics used:

To 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

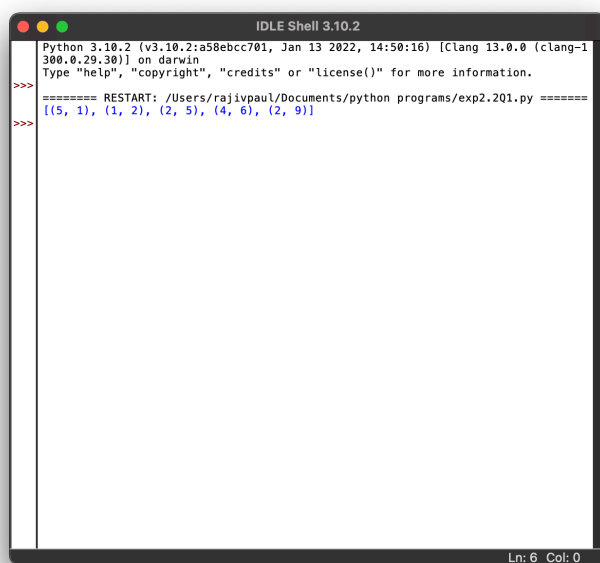
3) Algorithm/Flowchart (For programming based labs):

4) Steps for experiment/practical/Code:

```
exp2.2Q1.py - /Users/rajivpaul/Documents/python programs/exp2.2Q1.py (3.10...  
def last(n): return n[-1]  
def sort_list_last(tuples):  
    return sorted(tuples, key=last)  
print(sort_list_last([(2, 5), (1, 2), (4, 6), (2, 0), (5, 1)]))  
Ln: 6 Col: 51
```

5. Observations/Discussions/ Complexity Analysis:

6. Result/Output/Writing Summary:



```
IDLE Shell 3.10.2
Python 3.10.2 (v3.10.2:a58ebcc701, Jan 13 2022, 14:50:16) [Clang 13.0.0 (clang-1300.0.29.30)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: /Users/rajivpaul/Documents/python programs/exp2.2Q1.py =====
>>> [(5, 1), (1, 2), (2, 5), (4, 6), (2, 9)]
Ln: 6 Col: 0
```

1) Aim/Overview of the practical:

Q2. Write a Python program to print a specified list after removing the 0th, 4th and 5th elements

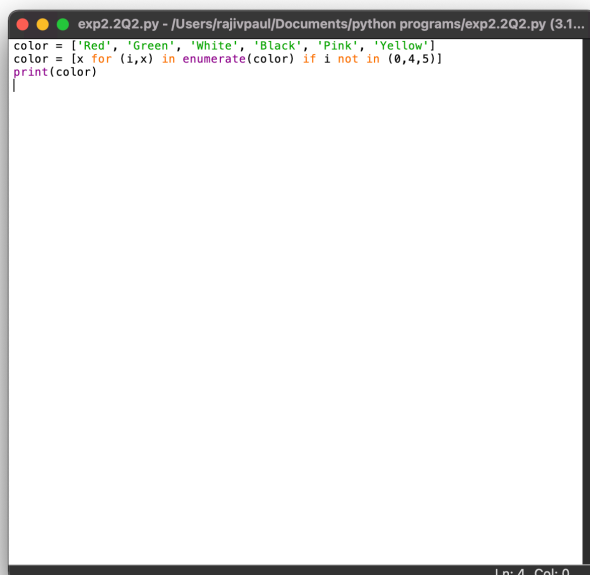
Sample List : ['Red', 'Green', 'White', 'Black', 'Pink', 'Yellow'], Expected Output : ['Green', 'White', 'Black']

2) Task to be done/ Which logistics used:

To write a python program to print a specified list after removing the 0th, 4th and 5th elements.

3) Algorithm/Flowchart (For programming based labs):

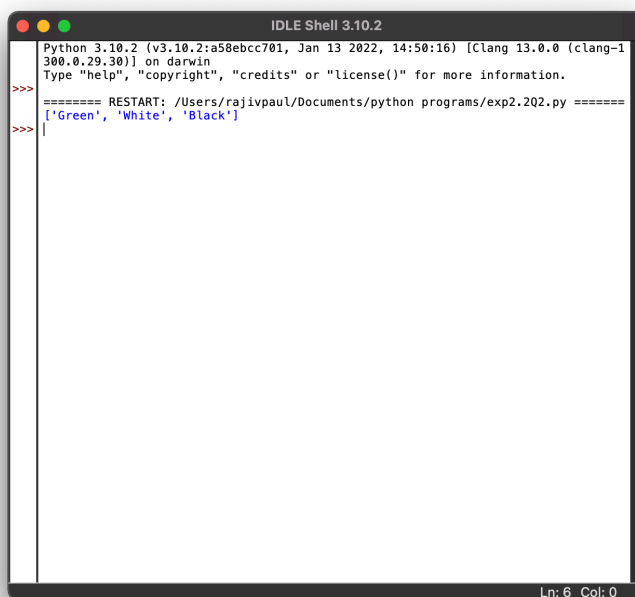
4) Steps for experiment/practical/Code:



```
exp2.2Q2.py - /Users/rajivpaul/Documents/python programs/exp2.2Q2.py (3.1...  
color = ['Red', 'Green', 'White', 'Black', 'Pink', 'Yellow']  
color = [x for (i,x) in enumerate(color) if i not in (0,4,5)]  
print(color)
```

5. Observations/Discussions/ Complexity Analysis:

6. Result/Output/Writing Summary:



```
Python 3.10.2 (v3.10.2:a58ebcc701, Jan 13 2022, 14:50:16) [Clang 13.0.0 (clang-1300.0.29.30)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: /Users/rajivpaul/Documents/python programs/exp2.202.py =====
>>> ['Green', 'White', 'Black']
|
```

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			