



ATHARVA COLLEGE OF ENGINEERING
Department of Information Technology
Academic year 2018-2019

#Operations on list

a=[1,2,3,7,"Hi",4,1]

b=[45,89,"Hello",0,56]

c=["a","b","j","f"]

d=[3,15,98,2,56]

print("The length of list a is",len(a))

print(a[4])

print(b[1:3])

print(c[2:])

print(a[5:])

a.append("World")

print("Appended list 'a' is",a)

a.remove(3)

print("Edited list after removing 3 is",a)

b.extend(c)

print("Extended list 'b' is",b)

d.sort()

print("The sorted list 'd' is",d)

c.insert(2,"dog")

print("Edited List 'c' is",c)



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b.reverse() print("The reversed list 'b'
is",b)

c.pop(3)

print("The list 'c' after popping out item
from index 3 is",c)

a[4]="Bye"

print("Edited list 'a' is",a)

x=a.count(1)

print("The number 1 is repeated",x,"times
in list 'a'")

print("List 'a' is",a)

a[0:]=[]

print("List 'a' is",a)

print("List 'c' is",c)

c.clear()

print("List 'c' is",c)
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Output: ace@ace-ThinkCentre-M70e:~$ cd
Desktop ace@ace-ThinkCentre-
M70e:~/Desktop$ python3 List.py

The length of list a is 7
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Hi

[89, 'Hello']

['j', 'f']

[4, 1]

Appended list 'a' is [1, 2, 3, 7, 'Hi', 4, 1, 'World']

Edited list after removing 3 is [1, 2, 7, 'Hi', 4, 1, 'World']

Extended list 'b' is [45, 89, 'Hello', 0, 56, 'a', 'b', 'j', 'f']

The sorted list 'd' is [2, 3, 15, 56, 98]

Edited List 'c' is ['a', 'b', 'dog', 'j', 'f']

The reversed list 'b' is ['f', 'j', 'b', 'a', 56, 0, 'Hello', 89, 45]

The list 'c' after popping out item from index 3 is ['a', 'b', 'dog', 'f']

Edited list 'a' is [1, 2, 7, 'Hi', 'Bye', 1, 'World']

The number 1 is repeated 2 times in list 'a'

List 'a' is [1, 2, 7, 'Hi', 'Bye', 1, 'World']

List 'a' is [] List 'c' is ['a', 'b', 'dog', 'f']

List 'c' is []