**PYTHON LABORATORY**

**Exercise No:7**

**Date:22/11/2020**

**Aim:**

To predict the output of following code.

**Program:**

primes = [2, 3, 5, 7, 11]

print(primes)

# Output: [2, 3, 5, 7, 11]

items = ['cake', 'cookie', 'bread']

total\_items = items + ['biscuit', 'tart']

print(total\_items)

# Output:['cake', 'cookie', 'bread', 'biscuit', 'tart']

orders = ['daisies', 'periwinkle']

orders.append('tulips')

print(orders)

# Result: ['daisies', 'periwinkle', 'tulips']

owners\_names = ['Jenny', 'Sam', 'Alexis']

dogs\_names = ['Elphonse', 'Dr. Doggy DDS', 'Carter']

owners\_dogs = zip(owners\_names, dogs\_names)

print(list(owners\_dogs))

# Result: [('Jenny', 'Elphonse'), ('Sam', 'Dr.Doggy DDS'), ('Alexis', 'Carter')

items = [1, 2, 3, 4, 5, 6]

print(items[:4])

#Output: [1, 2, 3, 4]

print(items[2:])

#Output: [3, 4, 5, 6]

knapsack = [2, 4, 3, 7, 10]

size = len(knapsack)

print(size)

# Output: 5

cnt = knapsack.count(7)

print(cnt)

# Output: 1

exampleList = [4, 2, 1, 3]

exampleList.sort()

print(exampleList)

# Output: [1, 2, 3, 4]

soups = ['minestrone', 'lentil', 'pho', 'laksa']

soups[-1]

# output: 'laksa'

soups[-3:]

# output: 'lentil', 'pho', 'laksa'

soups[:-2]

# output: 'minestrone', 'lentil'

**Link:**

[**http://103.53.53.18/mod/hvp/view.php?id=316**](http://103.53.53.18/mod/hvp/view.php?id=316)

**RESULT:**

The output for the given program is executed.