**Ex 1:**

fruits = ["apple", "banana", "cherry", "date","elderberry"]  
 print(fruits)

**Ex 2:**

print(fruits[0], fruits[-1])  
 print(fruits[1], fruits[3])

**Ex 3:**

fruits[fruits.index("banana")] = "blueberry"  
 print(fruits)

**Ex 4:**

fruits.append("fig")  
 fruits.append("grape")  
 fruits.remove("apple")

**Ex 5:**

first\_three\_fruits = fruits[slice(3)]  
 print(first\_three\_fruits)

**Ex 6:**

print(len(fruits))

**Ex 7:**

fruits = ["apple", "banana", "cherry", "date","elderberry"]  
 vegetables = ["carrot", "broccoli", "spinach"]  
 food = fruits + vegetables  
 print(food)

**Ex 8:**

fruits = ["apple", "banana", "cherry", "date","elderberry"]  
 for i in range(len(fruits)):  
 print(fruits[i])

**Ex 9:**

if "cherry" in fruits:  
 print("Yes")  
 else:  
 print("No")  
  
 if "mango" in fruits:  
 print("Yes")  
 else:  
 print("No")

**Ex 10:**

fruits = ["apple", "banana", "cherry", "date","elderberry"]  
 fruit\_len = [len(i) for i in fruits]  
 print(fruit\_len)

**Ex 11:**

fruits = ["apple", "banana", "cherry", "date","elderberry"]  
 fruits.sort()  
 print(fruits)  
 fruits.sort(reverse=True)  
 print(fruits)

**Ex 12:**

fruits = ["apple", "banana", "cherry", "date","elderberry"]  
 f3 = fruits[slice(3)]  
 l3 = fruits[slice(3,len(fruits))]  
 nested\_list = [f3,l3]  
 print(nested\_list[1][0])

**Ex 13:**

numbers = [1, 2, 2, 3, 4, 4, 4, 5]  
 unique = list(set(numbers))  
 print(unique)

**Ex 14:**

s = "hello, world, python, programming"  
 words = list(s.split(","))  
 print(words)  
 print(" ".join(words))