**Question 1: Evidence 1**

**fruitlist=[]**

**fruit=input("enter a fruit")**

**fruitlist.append("fruit")**

**print(fruitlist)**

**Question2: Evidence 2**

**vegetablellist=[]**

**for i in range(10):**

**vegetable=input("enter a vegetable")**

**vegetablelist.append("vegetable")**

**print(vegetablelist)**

**Question 3: Evidence 3**

**cities=["new york","paris","madrid","amman"]**

**print(len(cities))**

**cities.append("london")**

**cities[0]="dubai"**

**Question 3: Evidence 4**

**cities=["new york","paris","madrid","amman"]**

**print(len(cities))**

**cities.append("london")**

**cities[0]="dubai"**

**print(cities)**

**del cities[2]**

**print(cities)**

**print(cities[1])**

**print(cities)**

**print(cities[3])**

**print(cities)**

**print(len("amman"))**

**print(cities)**

**because there is no element 7.**