**Question 1: Evidence 1**

**fruitlist=[]**

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

**fruitlist.append("orange")**

**print(fruitlist)**

**Question2: Evidence 2**

**Vegetablelist=[]**

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

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

**Vegetablelist.append("vegetable")**

**print(Vegetablelist)**

**Question 3: Evidence 3**

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

**length=len(cities)**

**print(length)**

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

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

**print(cities)**

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

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

**print(cities)**

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

**del (cities[2])**

**print(cities)**

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

**print=(1)**

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

**print("amman")**

**print(cities)**

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

**length=len("amman")**

**print(length)**

**print(cities)**

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

**print(cities)**

**Question 3: Evidence 4**

**The index is out of range out of bounds error**

**There is no element 7**