**Question 1: Evidence 1**

fruitlist=[]

fruit=input("enter a fruit ")

fruitlist.append(fruit)

print(fruitlist)

**Question2: Evidence 2**

vegetablelist=[]

for i in range (10) :

vegetable=input("enter a vegetable")

vegetablelist.append(vegetable)

print(vegetablelist)

**Question 3: Evidence 3**

**a)** **cities=["New York","Pris","Madrid","Amman"]**

**print(len(cities))**

**b)** **cities=["New York","Pris","Madrid","Amman"]**

**cities.append("London")**

**print(cities)**

**c)** **cities=["New York","Pris","Madrid","Amman"]**

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

**print(cities)**

**d)** **cities=["New York","Pris","Madrid","Amman"]**

**del(cities[2])**

**print(cities)**

**e)** **cities=["New York","Pris","Madrid","Amman"]**

**print(cities[1])**

**f)** **cities=["New York","Pris","Madrid","Amman"]**

**print(cities[3])**

**g)** **cities=["New York","Pris","Madrid","Amman"]**

**listlength=len("amman")**

**print(listlength)**

**h)** **cities=["New York","Pris","Madrid","Amman"]**

**print(cities)**

**Question 3: Evidence 4**

**IndexError: list index out of range**

**Because the max is cities[3]**