**Question 1:**

Fruitlist=[]

Fruit=input("enter a Fruit")

Fruitlist.append(Fruit)

print(Fruitlist)

**Evidence 1:**

enter a Fruit

**Question2:**

Vegetableslist=[]

for i in range(10):

Vegetable=input("Enter a Vegetable")

Vegetableslist.append(Vegetable)

print(Vegetableslist)

**Evidence 2:**

Enter a Vegetable

['']

Enter a Vegetable

['', '']

Enter a Vegetable

['', '', '']

Enter a Vegetable

['', '', '', '']

Enter a Vegetable

['', '', '', '', '']

Enter a Vegetable

['', '', '', '', '', '']

Enter a Vegetable

['', '', '', '', '', '', '']

Enter a Vegetable

['', '', '', '', '', '', '', '']

Enter a Vegetable

['', '', '', '', '', '', '', '', '']

Enter a Vegetable

['', '', '', '', '', '', '', '', '', '']

**Question 3:**

cities=["New York","Paris","Madrid","Amman"]

print(len(cities))

cities.append("London")

cities[0]="Dubai"

del cities[2]

print(cities[1])

print(cities[2])

print(len("Amman"))

print(cities)

**Evidence 3:**

4

Paris

Amman

5

['Dubai', 'Paris', 'Amman', 'London']

**Question 3: Evidence 4:**

This caused an error because there are only 4 elements and not 8.