```
plt.plot(years,yield_apples)
plt.xlabel('year')
plt.ylabel('yield(tons per hectare)');
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-4-3d0fe292ed30> in <cell line: 1>()
----> 1 plt.plot(years,yield_apples)
      2 plt.xlabel('year')
      3 plt.ylabel('yield(tons per hectare)');
      4 Plt.show()
      5

NameError: name 'plt' is not defined
```
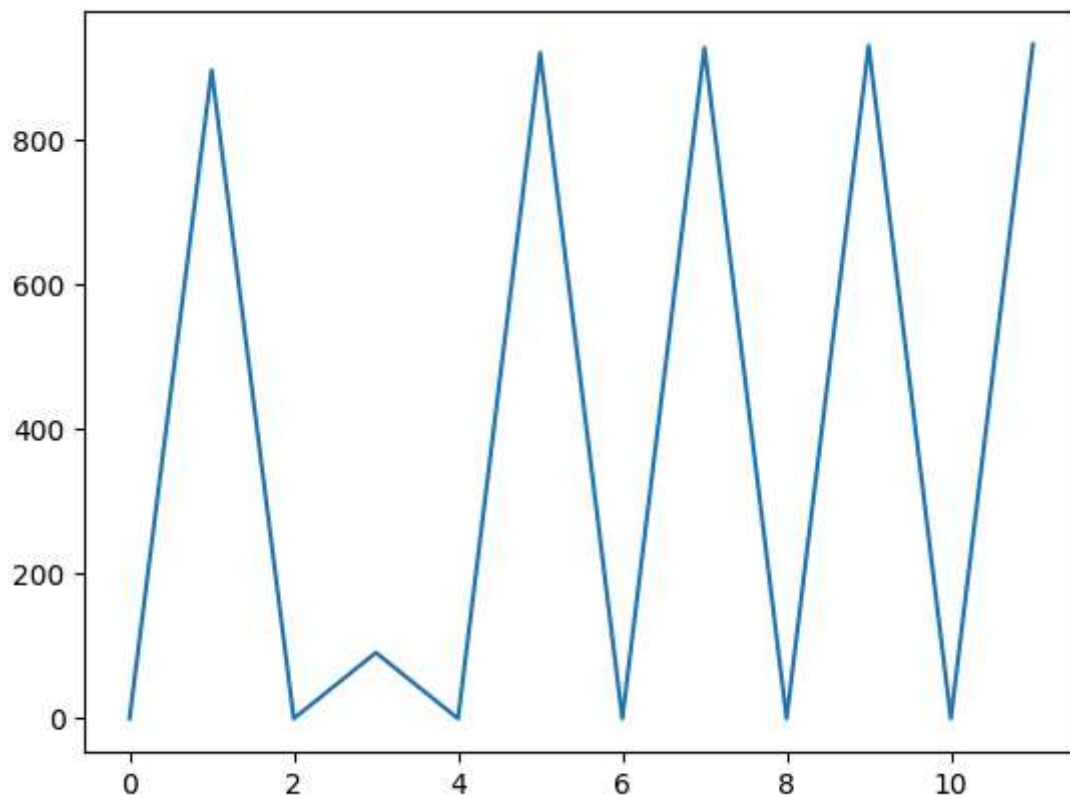
```
import matplotlib.pyplot as plt
yeild_apples=[0,895,0,91,0,919,0,926,0,929,0,931]
```

```
plt.plot(yeild_apples)
```
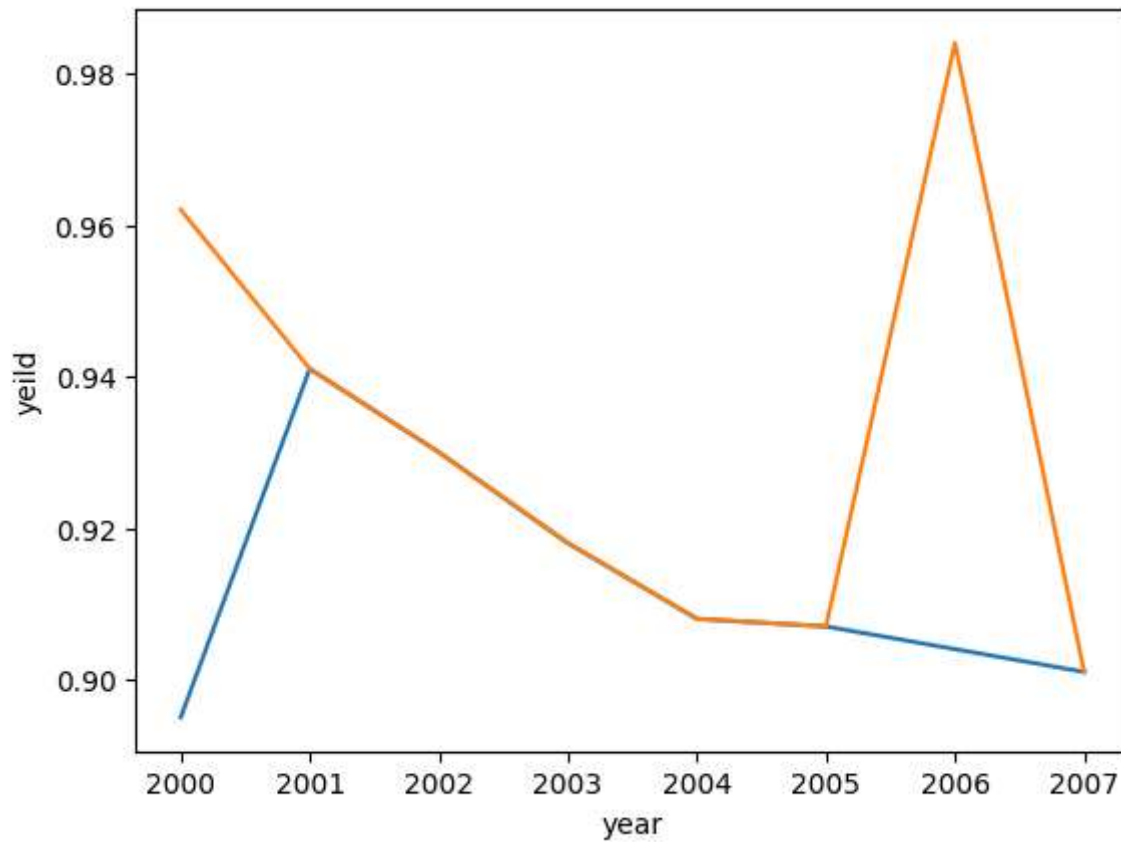
⇥▾ [<matplotlib.lines.Line2D at 0x7977e09dda50>]


```
years=[2010,2011,2012,2013,2014,2015, 2016, 2017, 2018, 2019, 2020, 2021]
yeild_apples=[0,895,0,91,0,919,0,926,0,929,0,931]
```

```
year=range(2000,2008)
apples=[0.895,0.941,0.930,0.918,0.908,0.907,0.904,0.901]
orange=[0.962,0.941,0.930,0.918,0.908,0.907,0.984,0.901]
```

```
plt.plot(year,apples)
plt.plot(year,orange)
plt.xlabel('year')
plt.ylabel('yeild')
```

⇥ Text(0, 0.5, 'yeild')


```
plt.plot(year,apples)
plt.plot(year,oranges)
plt.xlabel('year')
plt.ylabel('yield')
plt.title('Crop yields in Kanto')
plt.legend(['apples','oranges'])
```
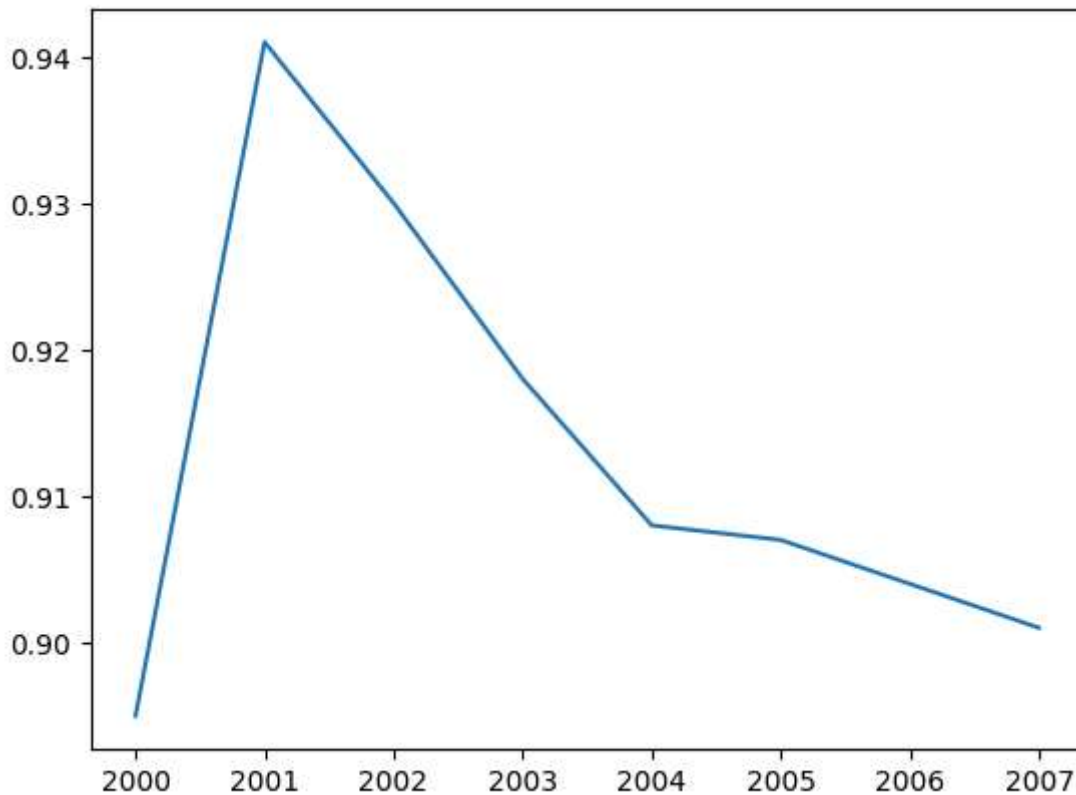
```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-15-b390932c6cd2> in <cell line: 2>()
      1 plt.plot(year,apples)
----> 2 plt.plot(year,oranges)
      3 plt.xlabel('year')
      4 plt.ylabel('yield')
      5 plt.title('Crop yields in Kanto')

NameError: name 'oranges' is not defined
```
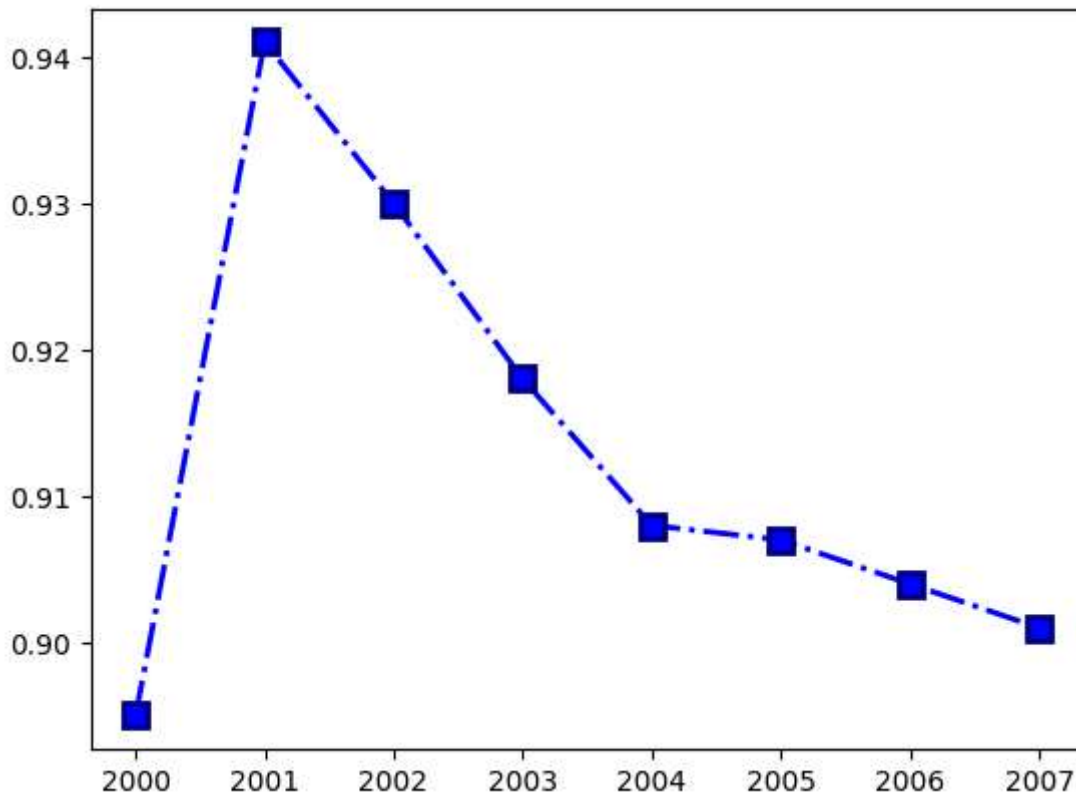


```
plt.plot(year,apples,marker='s',c='b',ls='-.',lw=2,ms=8,mew=2,mec='navy')
plt.plot(year,oranges,marker='o',c='r',ls='--',lw=3,ms=10,alpha=0.5)
plt.xlabel('years')
plt.ylabel('yield')
plt.title('Crop yields in Kanto')
plt.legend(['apples','oranges']);
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-16-78c6f4dabec8> in <cell line: 2>()
      1 plt.plot(year,apples,marker='s',c='b',ls='-.',lw=2,ms=8,mew=2,mec='navy')
----> 2 plt.plot(year,oranges,marker='o',c='r',ls='--',lw=3,ms=10,alpha=0.5)
      3 plt.xlabel('years')
      4 plt.ylabel('yield')
      5 plt.title('Crop yields in Kanto')

NameError: name 'oranges' is not defined
```
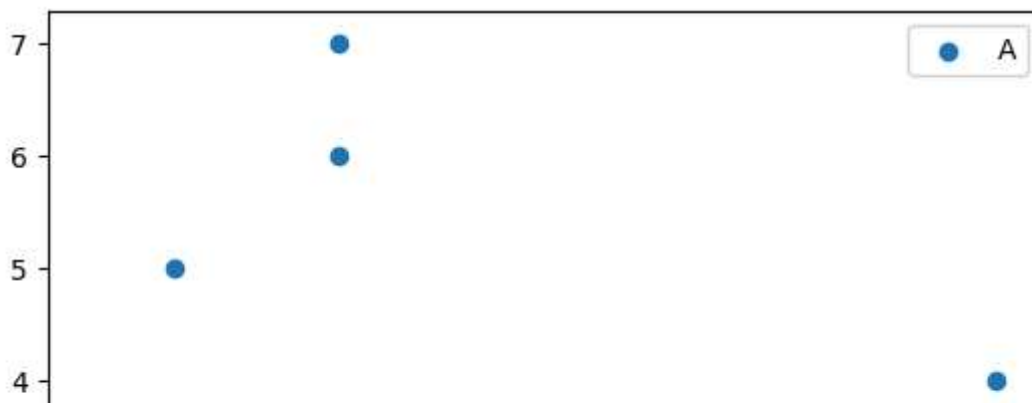


```
x=[3,1,3,12,2,4,4]
y=[3,2,1,4,5,6,7]
plt.scatter(x,y)
plt.legend("A")
```

<matplotlib.legend.Legend at 0x7977de6a17b0>


```
x=[3,1,3,12,2,4,4]
y=[3,2,1,4,5,6,7]
plt.bar(x,y)
plt.title("Bar Chart")
plt.legend(["Bar"])
plt.show()
```