In [1]:

```
import numpy as np
import pandas as pd
```

In [2]:

```
mydata = pd.read_csv('irisaa.csv')
```

In [3]:

```
mydata
```

Out[3]:

	s length	p length	s width	p width
0	4.7	4.0	1.0	1.1
1	6.6	1.7	3.3	1.2
2	4.5	3.3	2.2	1.3
3	3.0	1.8	4.1	1.4
4	5.0	1.9	2.3	1.5

In [4]:

```
mydata.head()
```

Out[4]:

	s length	p length	s width	p width
0	4.7	4.0	1.0	1.1
1	6.6	1.7	3.3	1.2
2	4.5	3.3	2.2	1.3
3	3.0	1.8	4.1	1.4
4	5.0	1.9	2.3	1.5

In [11]:

```
mydata.info()
mydata.describe()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 5 entries, 0 to 4
Data columns (total 4 columns):
s length    5 non-null float64
p length    5 non-null float64
s width     5 non-null float64
p width     5 non-null float64
dtypes: float64(4)
memory usage: 240.0 bytes
```

Out[11]:

	s length	p length	s width	p width
count	5.00000	5.000000	5.00000	5.000000
mean	4.76000	2.540000	2.58000	1.300000
std	1.28569	1.045466	1.17771	0.158114
min	3.00000	1.700000	1.00000	1.100000
25%	4.50000	1.800000	2.20000	1.200000

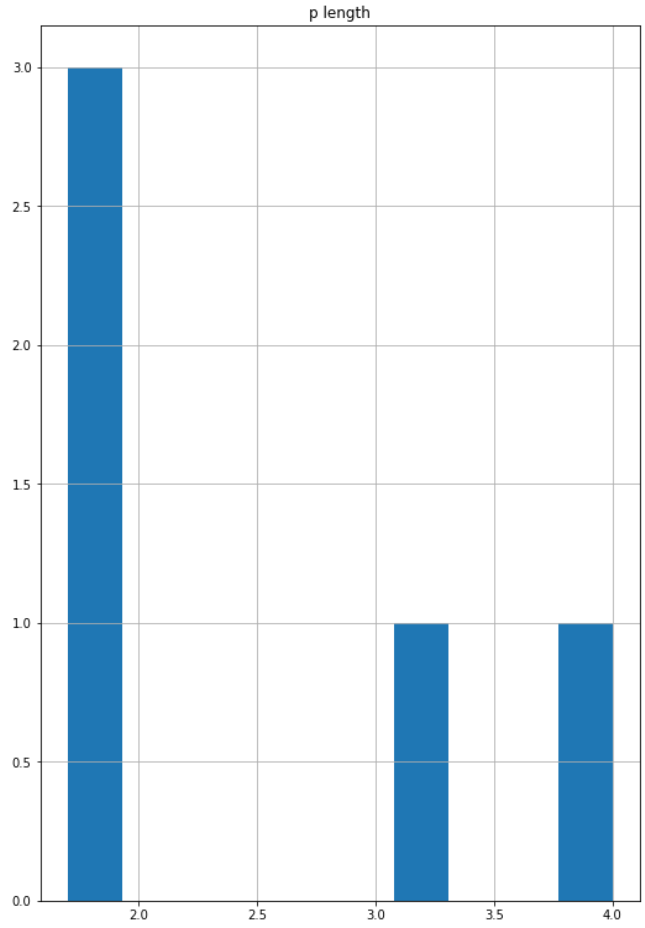
	s length	p length	s width	p width
50%	4.70000	1.900000	2.30000	1.300000
75%	5.00000	3.300000	3.30000	1.400000
max	6.60000	4.000000	4.10000	1.500000

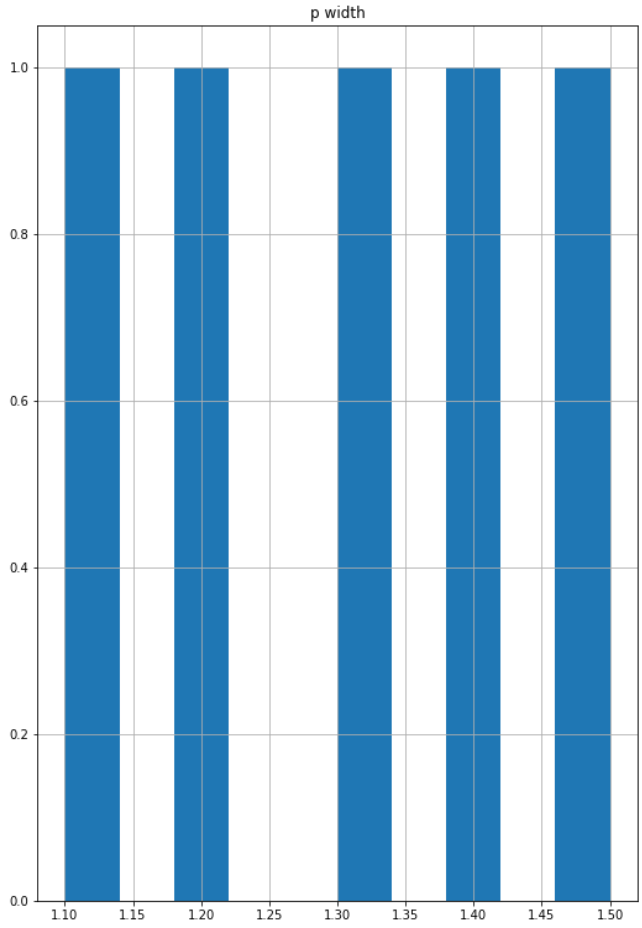
In [6]:

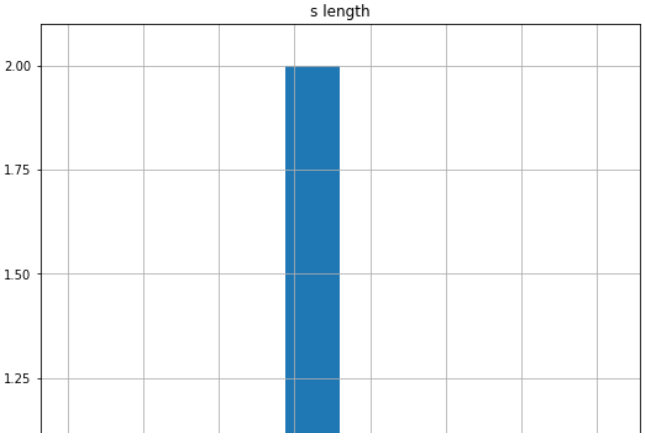
```
import matplotlib.pyplot as plt
%matplotlib inline

mydata.hist(figsize=(20,30))
```

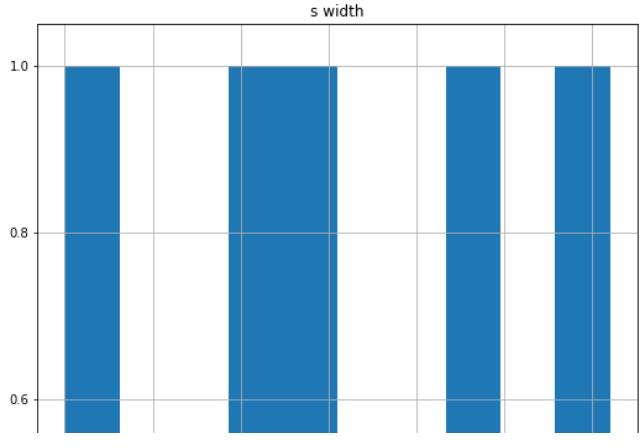
Out[6]:

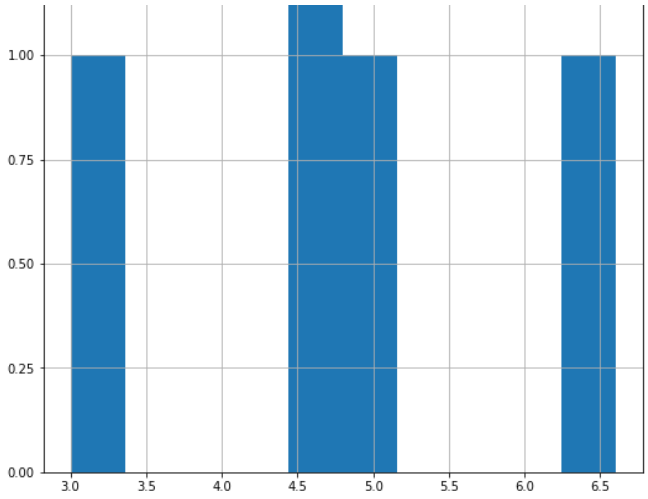
```
array([[<matplotlib.axes._subplots.AxesSubplot object at 0x0000021B83573898>,
        <matplotlib.axes._subplots.AxesSubplot object at 0x0000021B835C3D68>],
       [<matplotlib.axes._subplots.AxesSubplot object at 0x0000021B83605358>,
        <matplotlib.axes._subplots.AxesSubplot object at 0x0000021B83636908>]],
      dtype=object)
```

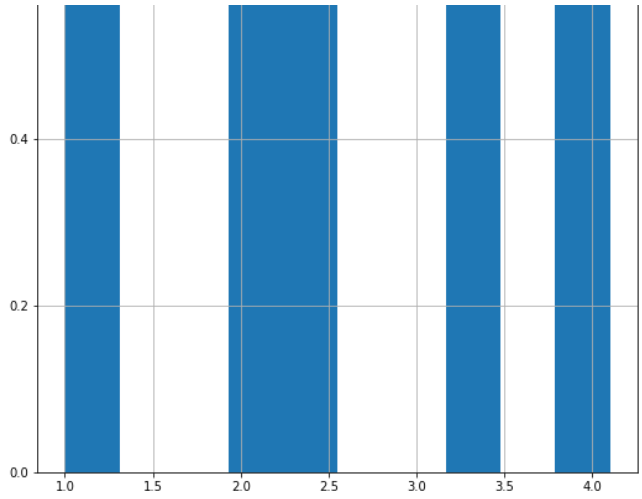










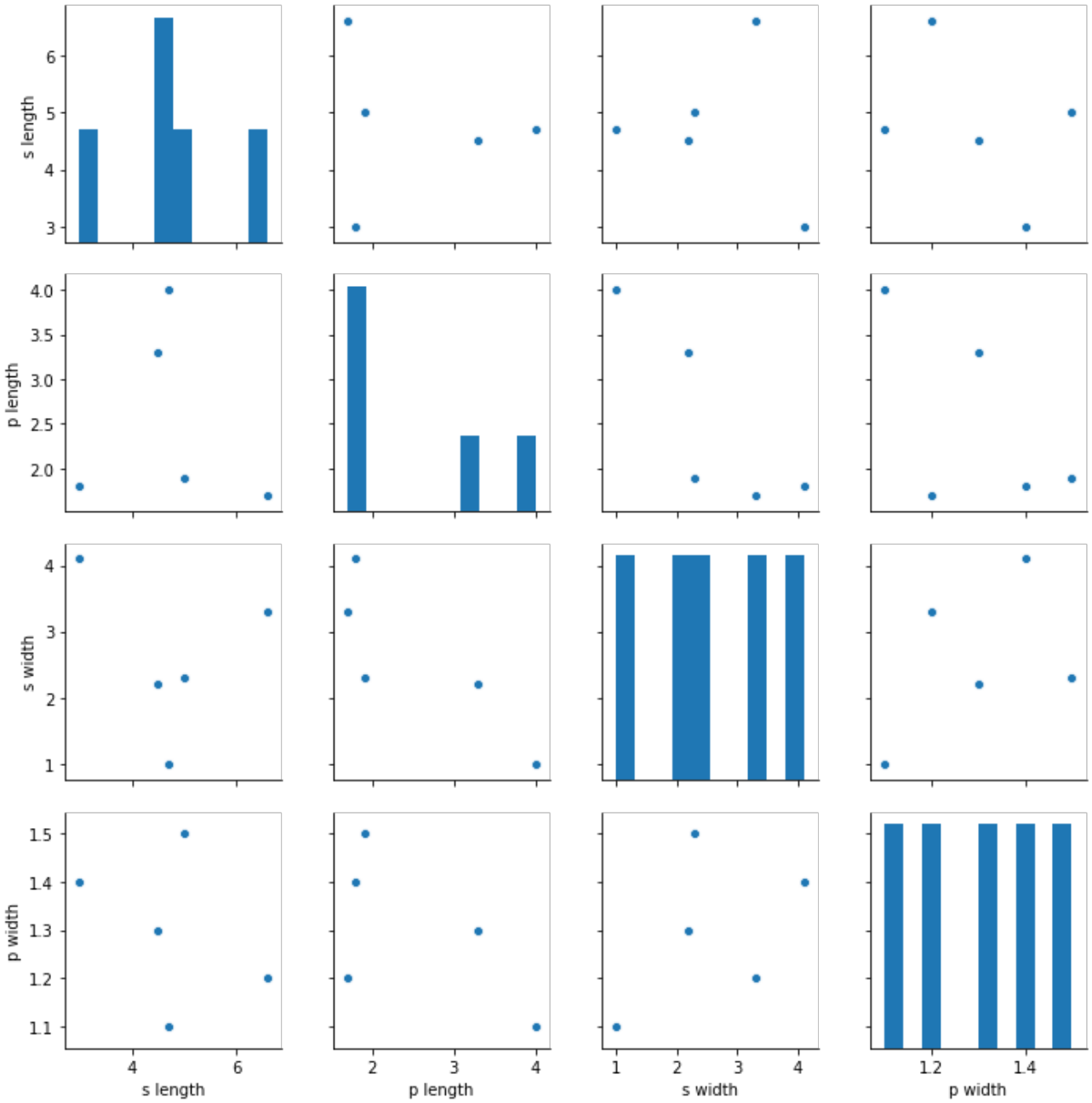


In [10]:

```
import seaborn as sns
sns.pairplot(mydata)
```

Out[10]:

```
<seaborn.axisgrid.PairGrid at 0x21b85fc45c0>
```



In [12]:

```
corr = mydata.corr()
```

```
corr
```

Out[12]:

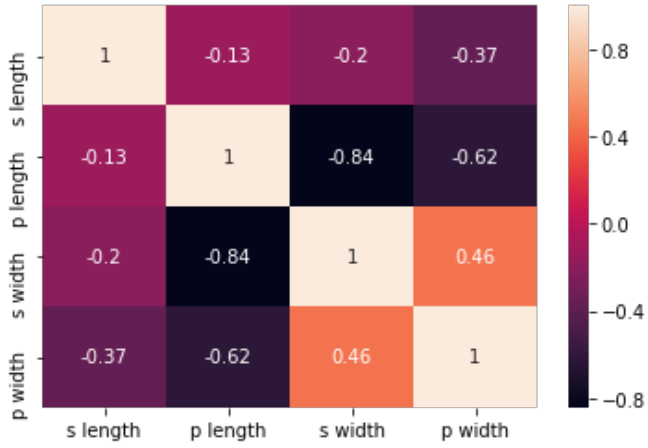
	s length	p length	s width	p width
s length	1.000000	-0.126846	-0.202091	-0.368939
p length	-0.126846	1.000000	-0.841823	-0.620074
s width	-0.202091	-0.841823	1.000000	0.456468
p width	-0.368939	-0.620074	0.456468	1.000000

In [13]:

```
sns.heatmap(corr, annot=True)
```

Out[13]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x21b867afb70>
```



In [ ]:

```

```