In [9]:
```
import numpy as np
import pandas as pd
from sklearn import linear_model
import matplotlib.pyplot as plt
%matplotlib inline
url = "http://bit.ly/w-data"
df = pd.read_csv(url)
print("Data taken in")
df.head()
```

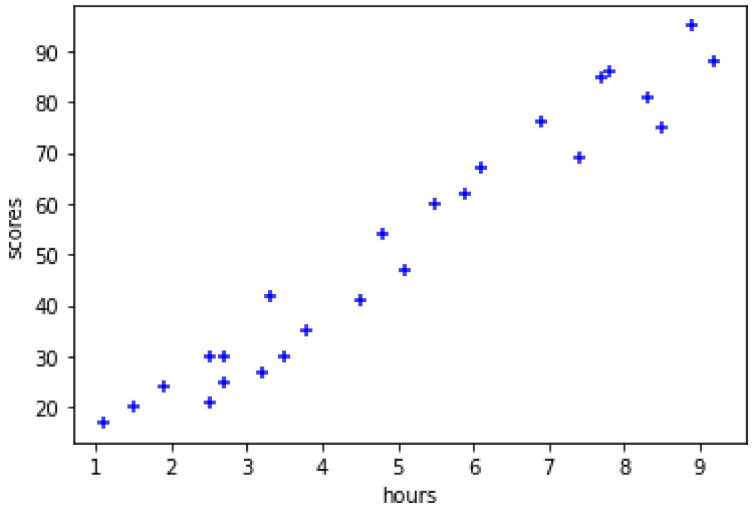
```
Data taken in
```

Out[9]:

	Hours	Scores
0	2.5	21
1	5.1	47
2	3.2	27
3	8.5	75
4	3.5	30

In [15]:
```
%matplotlib inline
plt.xlabel('hours')
plt.ylabel('scores')
plt.scatter(df.Hours,df.Scores,color='blue',marker='+')
```

Out[15]:
```
<matplotlib.collections.PathCollection at 0x14515428e50>
```

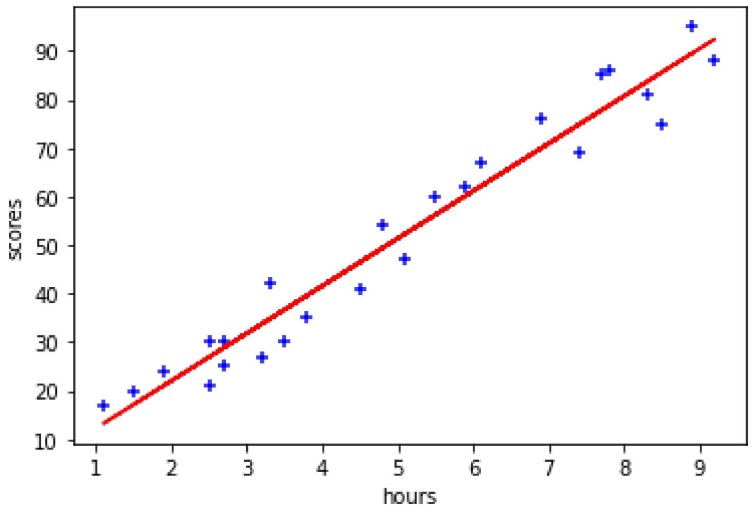


In [18]:
```
new_df = df.drop('Scores',axis='columns')
scores=df.Scores
reg = linear_model.LinearRegression()
reg.fit(new_df,scores)
```

Out[18]:
```
LinearRegression()
```

In [25]:
```
%matplotlib inline
plt.xlabel('hours')
plt.ylabel('scores')
plt.scatter(df.Hours,df.Scores,color='blue',marker='+')
plt.plot(df.Hours,reg.predict(df[['Hours']]),color='red')
```

Out[25]: [<matplotlib.lines.Line2D at 0x14515644b80>]



In [26]:
```
reg.predict([[9.25]])
```

Out[26]: array([92.90985477])

In [19]:
```

```

Out[19]: array([92.90985477])

In [ ]:
```

```