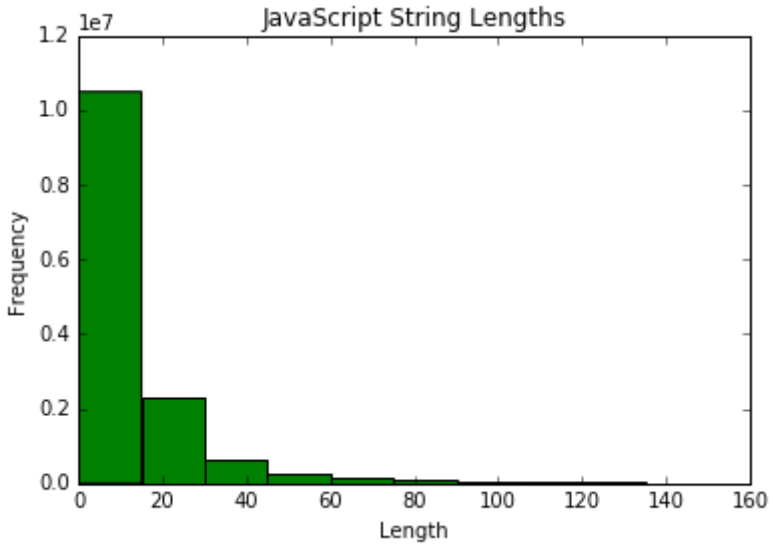
In [1]:

```
%matplotlib inline
import numpy as np
import matplotlib
import matplotlib.pyplot as plt
strl = []
f = open("StringLength.txt", "r");
for line in f:
  line = line.strip("\n")
  strl.append(int(line))

f.close()
stra = np.array(strl)
print 'Maximum String Length : %d ' %(max(strl))
print
print
plt.hist(stra, range=[0,150], color ='green', bins=10)
plt.title("JavaScript String Lengths")
plt.xlabel("Length")
plt.ylabel("Frequency")
plt .show()
```

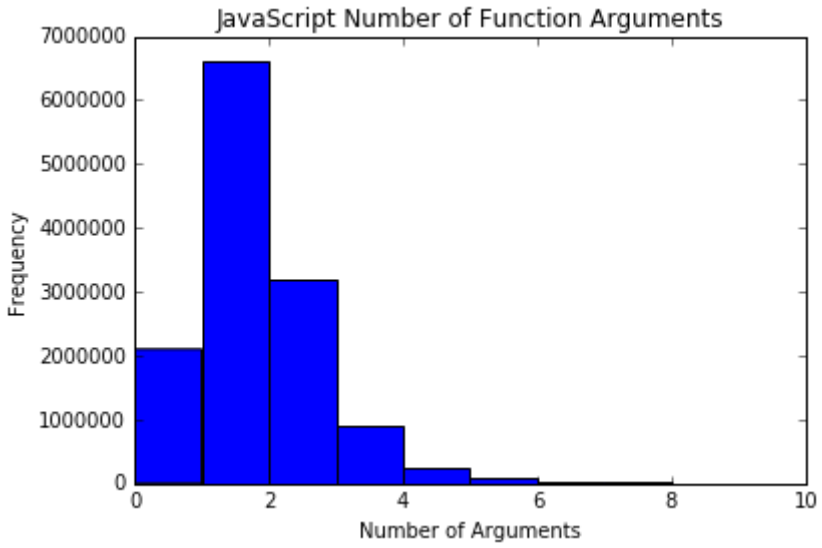
```
Maximum String Length : 3202110
```



In [2]:

```
numarg =[]
f = open("NumArg.txt", "r")
for line in f:
  line = line.strip("\n")
  numarg.append(int(line))
f.close()
numarga = np.array(numarg)
print 'Maximun Number of Arguments: %d ' %(max(numarg))
plt.hist(numarga, range=[0,10], color= 'blue', bins=10)
plt.title("JavaScript Number of Function Arguments")
plt.xlabel("Number of Arguments")
plt.ylabel("Frequency")
plt.show()
```

```
Maximun Number of Arguments: 4782
```



In [9]:
```
numnodes=[]
f = open("NumNodes.txt", "r");
for line in f:
  line = line.strip("\n")
  numnodes.append(int(line))
numnodesa = np.array(numnodes)
f.close()

print 'Maximum Number of AST Nodes: %d ' %(max(numnodes))

plt.hist(numnodesa, range=[0, 5000], color='red', bins=10)
plt.title('JavaScript Number of AST Nodes')
plt.xlabel("Number of Tree Nodes")
plt.ylabel("Frequency")
```

```
Maximum Number of AST Nodes: 1050277
```

Out[9]:
```
<matplotlib.text.Text at 0x53d6750>
```