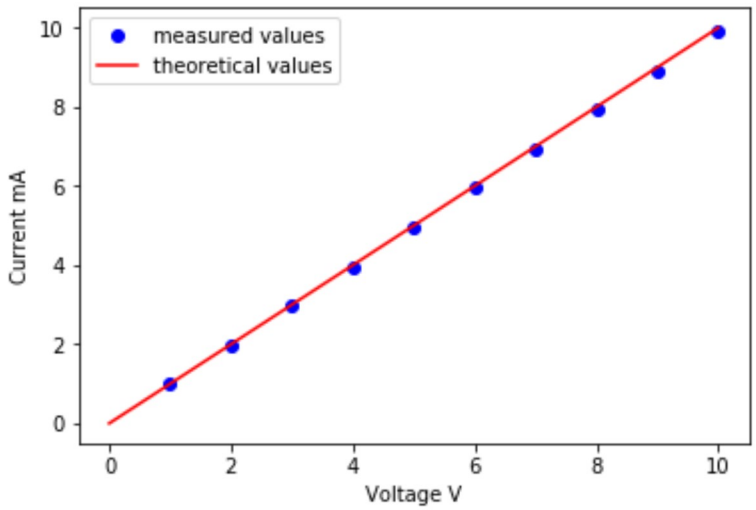
In [ ]:
```
#Austin Jones and Paige Brady
#Lab 2 DC Circuits Notebook Plot 2.1
```

In [2]:
```
import numpy as np
%matplotlib inline
import matplotlib.pyplot as plt
```

In [14]:
```
x = [1.00, 2.00, 3.00, 4.00, 5.00, 6.00, 7.00, 8.00, 9.00, 10.00]
y = [0.992, 1.99, 2.97, 3.93, 4.95, 5.97, 6.92, 7.92, 8.90, 9.92]
xtheory = np.linspace(0,10,10000)
ytheory = np.linspace(0,10,10000)
plt.plot(x,y,"bo", label="measured values")
plt.plot(xtheory, ytheory, "r-", label="theoretical values")
plt.xlabel("Voltage V")
plt.ylabel("Current mA")
plt.legend()
```

Out[14]:
```
<matplotlib.legend.Legend at 0x1eeddf11320>
```



In [ ]: