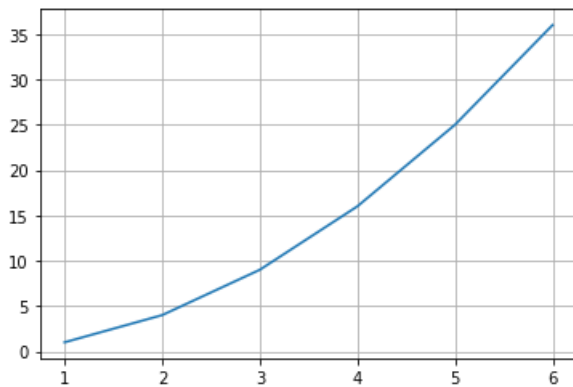


In [1]:

```
import matplotlib.pyplot as plt
```

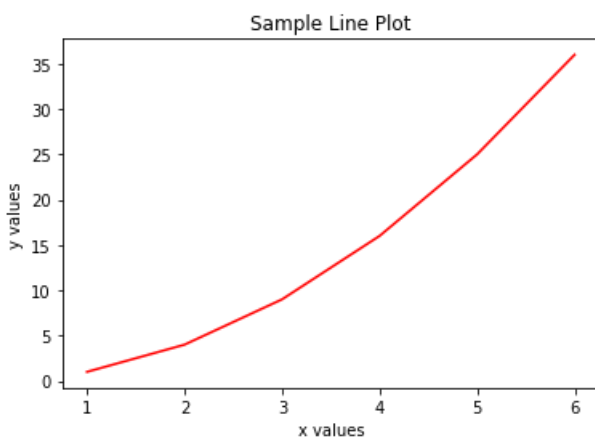
In [5]:

```
#line plot
x = [1,2,3,4,5,6]
y = [1,4,9,16,25,36]
plt.plot(x,y)
plt.grid()
```



In [4]:

```
#complete line plot
x = [1,2,3,4,5,6]
y = [1,4,9,16,25,36]
plt.xlabel('x values') # assigning name to x label
plt.ylabel('y values') # assigning name to y label
plt.title('Sample Line Plot') # title of plot
plt.plot(x,y,color = 'red') # colour of lines
plt.savefig('new_ml_graph.png') # saving the plot
```

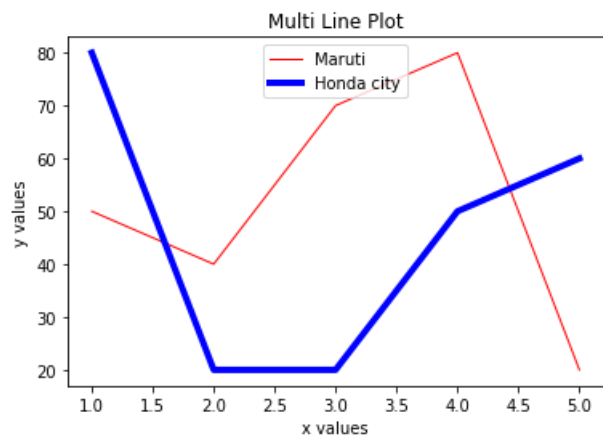


In [12]:

```
# multi line plot
x = [1,2,3,4,5]
y = [50,40,70,80,20]
y2 = [80,20,20,50,60]

plt.plot(x,y,color = 'red', label = 'Maruti', linewidth = 1)
plt.plot(x,y2,color = 'blue', label = 'Honda city', linewidth = 4)
plt.xlabel('x values') # assigning name to x label
plt.ylabel('y values') # assigning name to y label
plt.title('Multi Line Plot')
plt.legend()
```

```
plt.show()
```



In []: