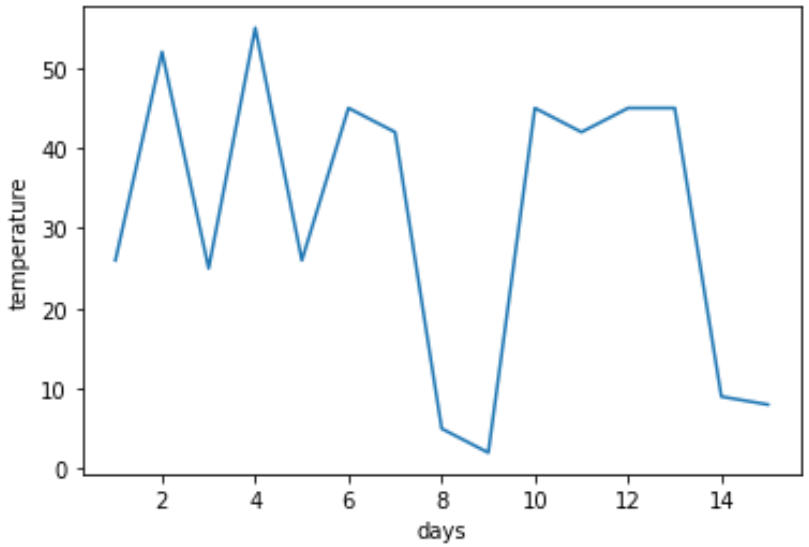
seaborn pratical

In [19]:
```
import  matplotlib.pyplot as plt
import seaborn as sns
import pandas as pd
```

In [ ]:
```
# sns.lineplot(
#     x=None,
#     y=None,
#     hue=None,
#     size=None,
#     style=None,
#     data=None,
#     palette=None,
#     hue_order=None,
#     hue_norm=None,
#     sizes=None,
#     size_order=None,
#     size_norm=None,
#     dashes=True,
#     markers=None,
#     style_order=None,
#     units=None,
#     estimator='mean',
#     ci=95,
#     n_boot=1000,
#     seed=None,
#     sort=True,
#     err_style='band',
#     err_kws=None,
#     legend='brief',
#     ax=None,
#     **kwargs,
# )
```

In [34]:

```
days =        [1,2,3,4,5,6,7,8,9,10,11,12,13,14,15]
temperature= [26,52,25,55,26,45,42,5,2,45,42,45,45,9,8]
temp_df=pd.DataFrame({"days":days, "temperature":temperature})
sns.lineplot(x="days",y="temperature",data=temp_df,)
plt.show()
```

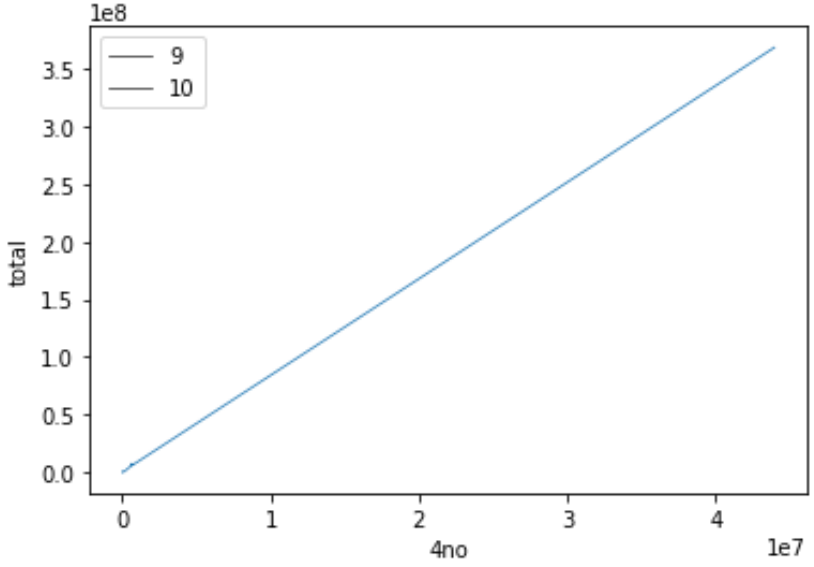


In [64]:
```
book1=pd.read_csv("I:\JNPY\mL imp\ML Project 1\Book2.csv")
book1.head()
```

Out[64]:

	1no	2no	3no	4no	5no	total
0	15.0	56.0	6545.0	664.0	210.0	7490.0
1	15.0	25.0	26.0	545.0	5456.0	6067.0
2	88.0	55.0	54.0	554.0	55656.0	56407.0
3	151.0	65646.0	8484.0	134584.0	664.0	209529.0
4	6546.0	66416.0	6464.0	651641.0	6465464.0	7196531.0

In [66]:
```
sns.lineplot(x="4no",y="total",data=book1)
plt.show()
```

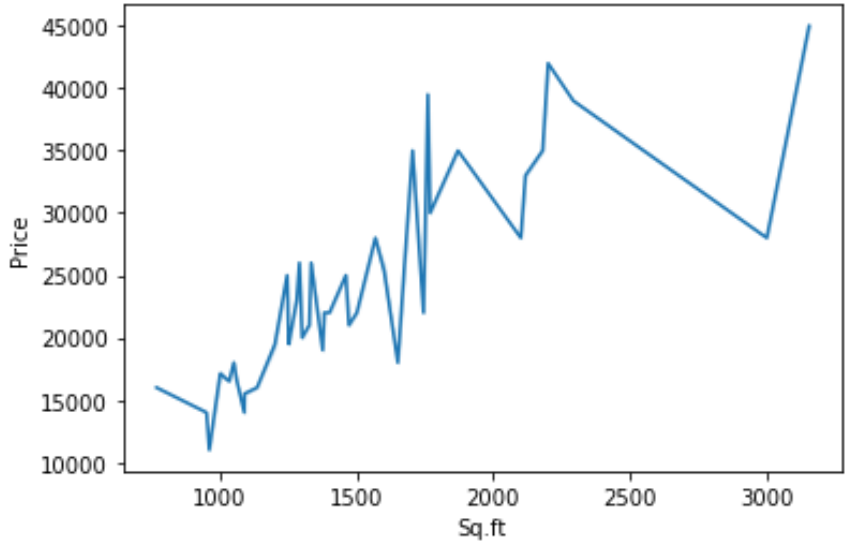


In [75]:
```
hous=pd.read_csv("I:\JNPY\mL imp\ML Project 1\house_price.csv")
hous.head()
```

Out[75]:

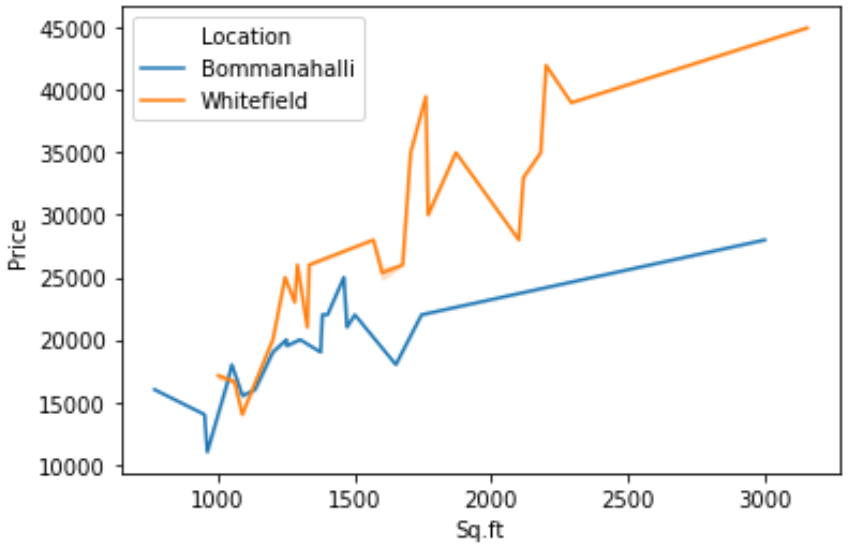
	yo	Location	BHK	Furnishing	Sq.ft	Old(years)	Floor	Price
0	37	Bommanahalli	3	1	3000	1	3	28000
1	43	Bommanahalli	3	1	1650	10	0	18000
2	12	Whitefield	2	0	1000	5	3	16400
3	8	Whitefield	3	0	1600	1	9	27000
4	9	Whitefield	2	1	1200	5	1	20000

In [79]:
```
sns.lineplot(x="Sq.ft",y="Price",data=hous)
plt.show()
```



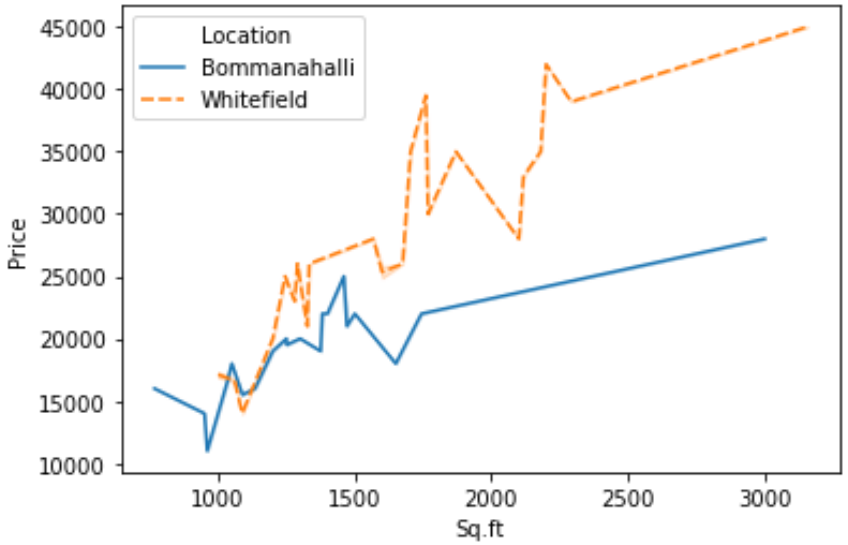
using hue opration

In [83]:
```
hous=pd.read_csv("I:\JNPY\mL imp\ML Project 1\house_price.csv")
sns.lineplot(x="Sq.ft",y="Price",data=hous,hue="Location")
plt.show()
```



using style opration

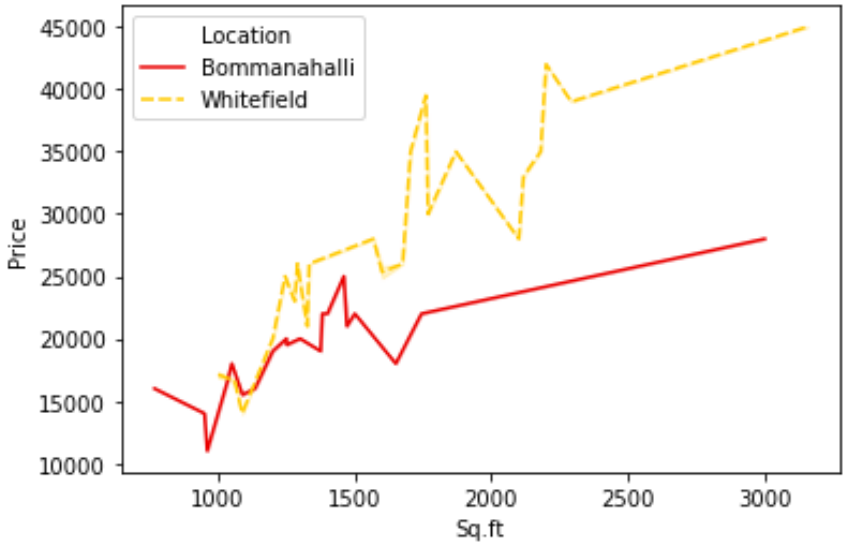
In [85]:
```
hous=pd.read_csv("I:\JNPY\mL imp\ML Project 1\house_price.csv")
sns.lineplot(x="Sq.ft",y="Price",data=hous,hue="Location",style="Location")
plt.show()
```



using palette opration

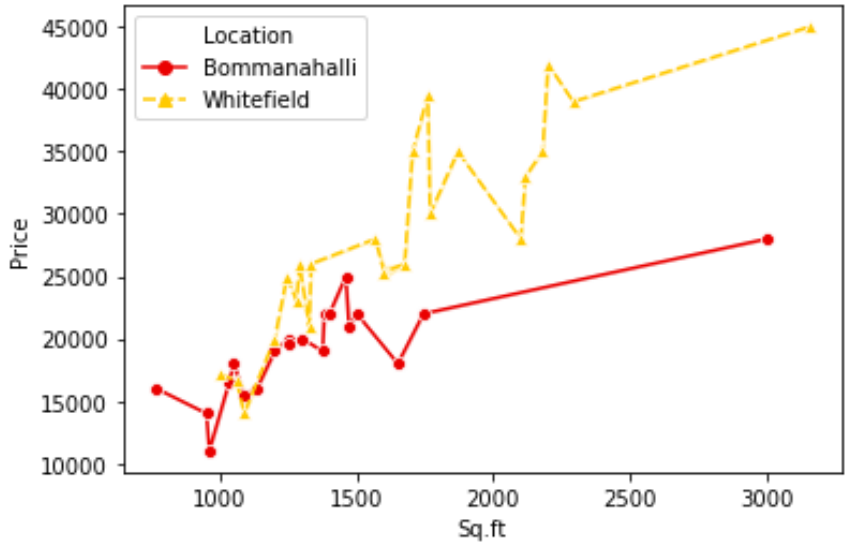
palette is use to change the color of grah

In [87]:
```
hous=pd.read_csv("I:\JNPY\mL imp\ML Project 1\house_price.csv")
sns.lineplot(x="Sq.ft",y="Price",data=hous,hue="Location",style="Location",palette="hot")
plt.show()
```



Using markers opration

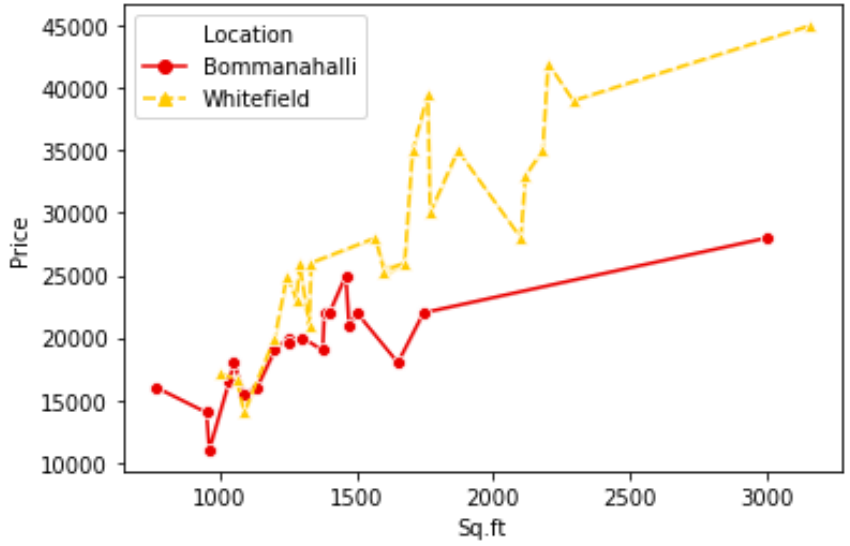
In [88]:
```
hous=pd.read_csv("I:\JNPY\mL imp\ML Project 1\house_price.csv")
sns.lineplot(x="Sq.ft",y="Price",data=hous,hue="Location",style="Location",palette="hot",markers=["o","^"])
plt.show()
```



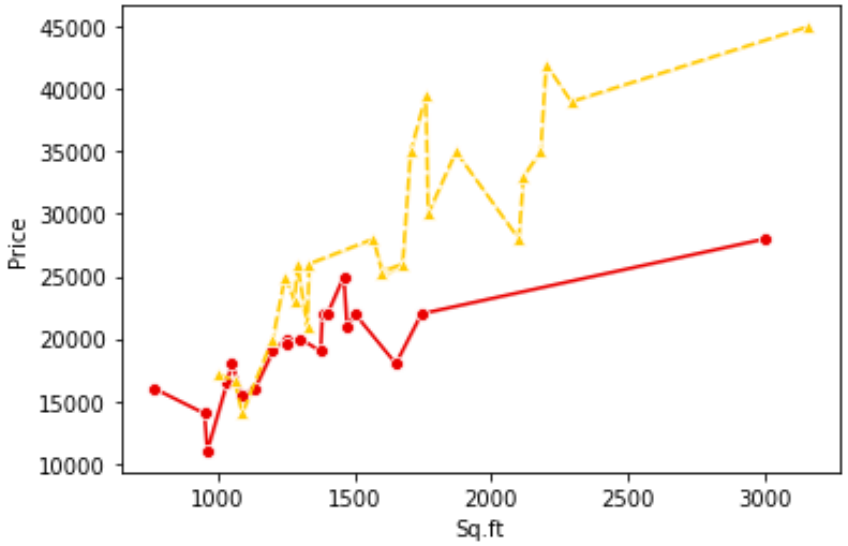
using legend='brief' opration

In [93]:
```
hous=pd.read_csv("I:\JNPY\mL imp\ML Project 1\house_price.csv")
sns.lineplot(x="Sq.ft",y="Price",data=hous,hue="Location",style="Location",
             palette="hot",markers=["o","^"],legend='brief' )

plt.show()
```

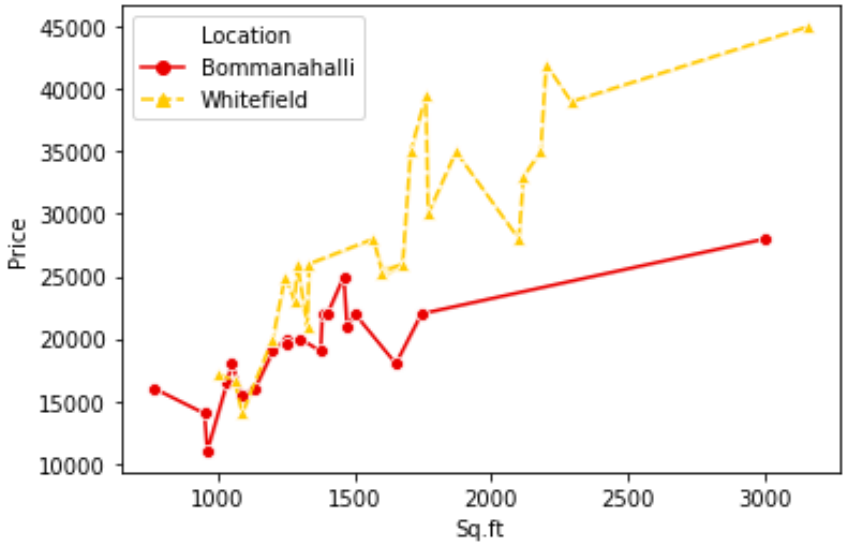
```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
<ipython-input-93-3de7a1dcac7e> in <module>
      2 sns.lineplot(x="Sq.ft",y="Price",data=hous,hue="Location",style="Location",
      3              palette="hot",markers=["o","^"],legend='brief' )
----> 4 plt.size(15)
      5 plt.show()

AttributeError: module 'matplotlib.pyplot' has no attribute 'size'
```



In [97]:
```
hous=pd.read_csv("I:\JNPY\mL imp\ML Project 1\house_price.csv")
sns.lineplot(x="Sq.ft",y="Price",data=hous,hue="Location",style="Location",
             palette="hot",markers=["o","^"],legend=False)
plt.show()
```



In [99]:
```
hous=pd.read_csv("I:\JNPY\mL imp\ML Project 1\house_price.csv")
sns.lineplot(x="Sq.ft",y="Price",data=hous,hue="Location",style="Location",
             palette="hot",markers=["o","^"],legend="full")
plt.show()
```



In [106]:
```
plt.figure(figsize = (25,9))
hous=pd.read_csv("I:\JNPY\mL imp\ML Project 1\house_price.csv")
sns.lineplot(x="Sq.ft",y="Price",data=hous,hue="Location",style="Location",
             palette="hot",markers=["o","^"],legend="full")
sns.set(style="whitegrid") #hite, dark, whitegrid, darkgrid, ticks

plt.show()
```