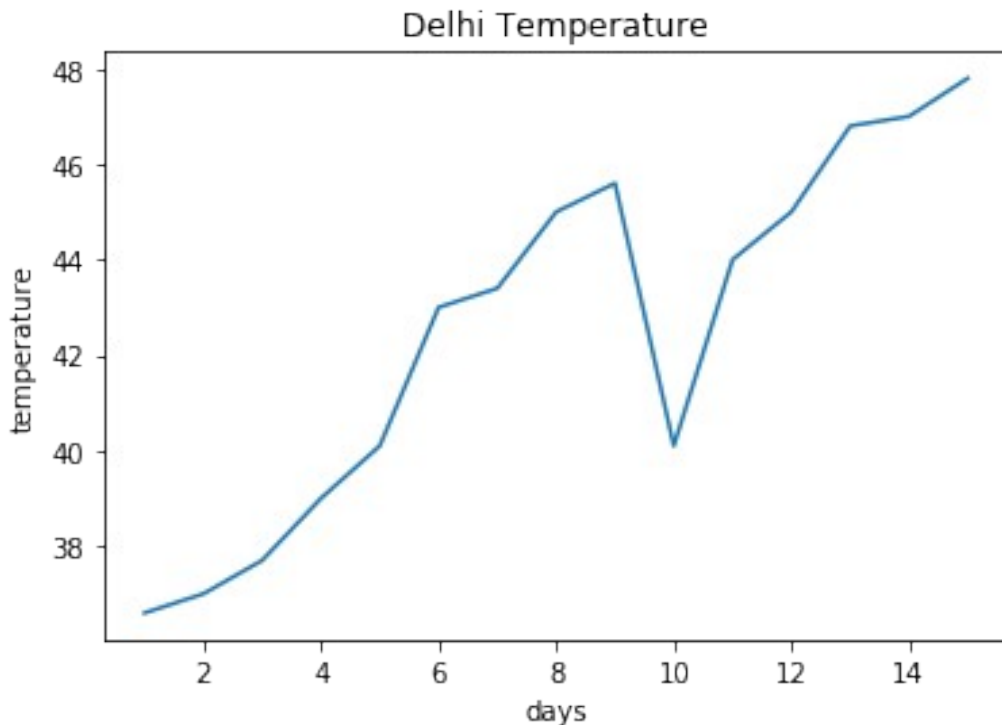# Python Matplotlib Tutorial Part - 2 & 3

line Plot

```python
import matplotlib.pyplot as plt

days = [1,2,3,4,5,6,7,8,9,10,11,12,13,14,15]
temperature = [36.6, 37,
37.7,39,40.1,43,43.4,45,45.6,40.1,44,45,46.8,47,47.8]

plt.plot(days, temperature)
plt.title("Delhi Temperature")
plt.xlabel("days")
plt.ylabel("temperature")
plt.show()
```
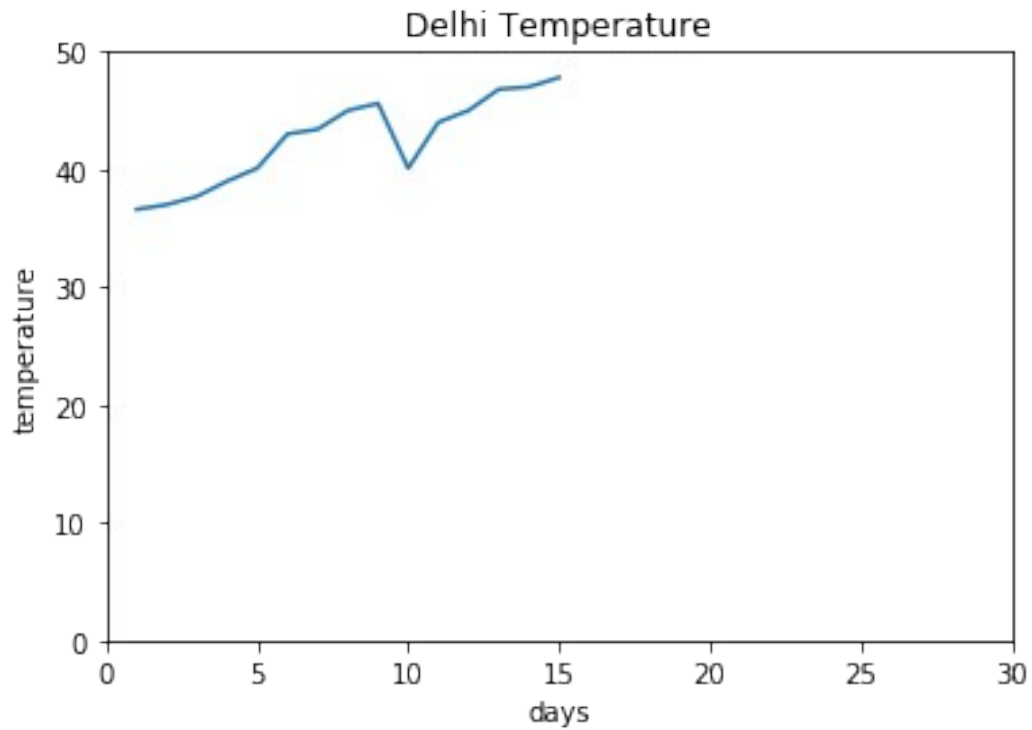


```python
days = [1,2,3,4,5,6,7,8,9,10,11,12,13,14,15]
temperature = [36.6, 37,
37.7,39,40.1,43,43.4,45,45.6,40.1,44,45,46.8,47,47.8]

plt.plot(days, temperature)
plt.axis([0,30, 0,50])
plt.title("Delhi Temperature")
plt.xlabel("days")
plt.ylabel("temperature")
plt.show()
```
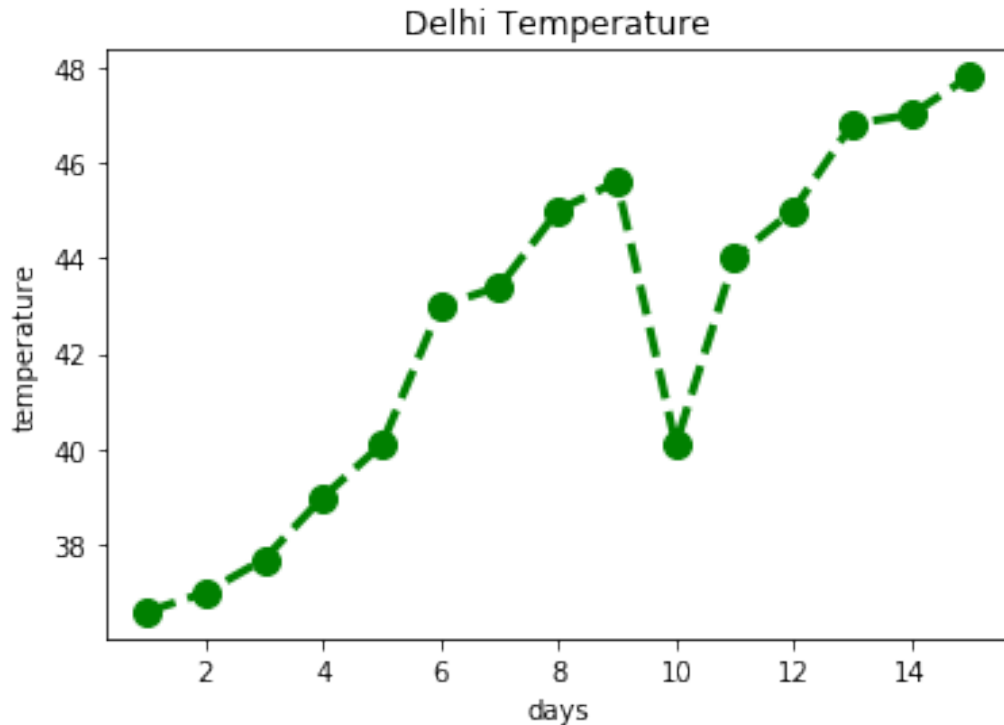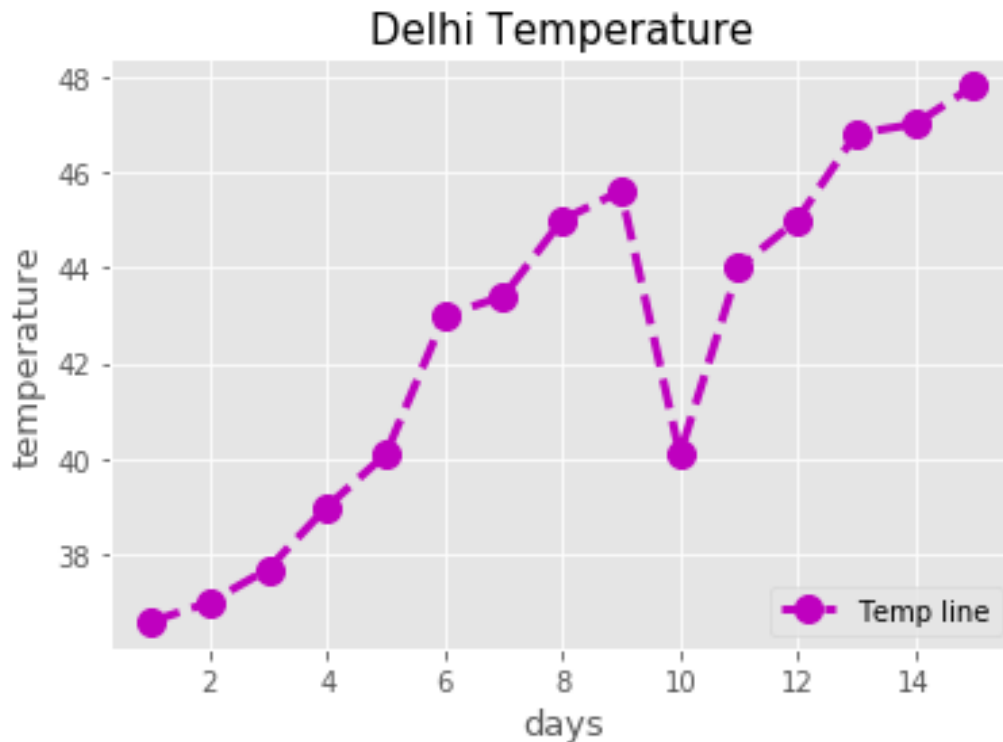
Delhi Temperature

```
days = [1,2,3,4,5,6,7,8,9,10,11,12,13,14,15]
temperature = [36.6, 37,
37.7,39,40.1,43,43.4,45,45.6,40.1,44,45,46.8,47,47.8]

plt.plot(days, temperature, color = "g", marker = "o", linestyle=
"--", linewidth = 3,
        markersize = 10)
plt.title("Delhi Temperature")
plt.xlabel("days")
plt.ylabel("temperature")
plt.show()
```

Delhi Temperature

```python
from matplotlib import style
days = [1,2,3,4,5,6,7,8,9,10,11,12,13,14,15]
temperature = [36.6, 37,
37.7,39,40.1,43,43.4,45,45.6,40.1,44,45,46.8,47,47.8]

style.use("ggplot")
plt.plot(days, temperature, "mo--", linewidth = 3,
        markersize = 10, label = "Temp line")
plt.title("Delhi Temperature", fontsize=15)
plt.xlabel("days",fontsize=13)
plt.ylabel("temperature",fontsize=13)
plt.legend(loc = 4)
plt.show()
```
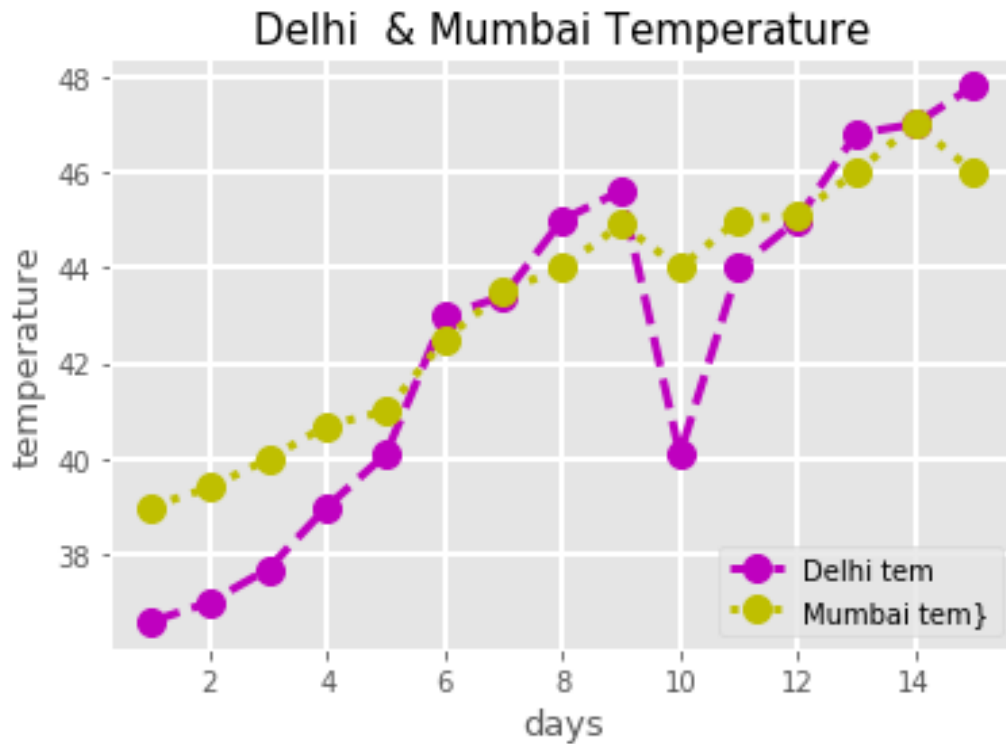
Delhi Temperature

```
days = [1,2,3,4,5,6,7,8,9,10,11,12,13,14,15]
delhi_tem = [36.6, 37,
37.7,39,40.1,43,43.4,45,45.6,40.1,44,45,46.8,47,47.8]
mumbai_tem =
[39,39.4,40,40.7,41,42.5,43.5,44,44.9,44,45,45.1,46,47,46]

plt.plot(days, delhi_tem, "mo--", linewidth = 3,
        markersize = 10, label = "Delhi tem")

plt.plot(days, mumbai_tem, "yo:", linewidth = 3,
        markersize = 10, label = "Mumbai tem}")

plt.title("Delhi  & Mumbai Temperature", fontsize=15)
plt.xlabel("days",fontsize=13)
plt.ylabel("temperature",fontsize=13)
plt.legend(loc = 4)
plt.grid(color='w', linestyle='-', linewidth=2)
plt.show()
```
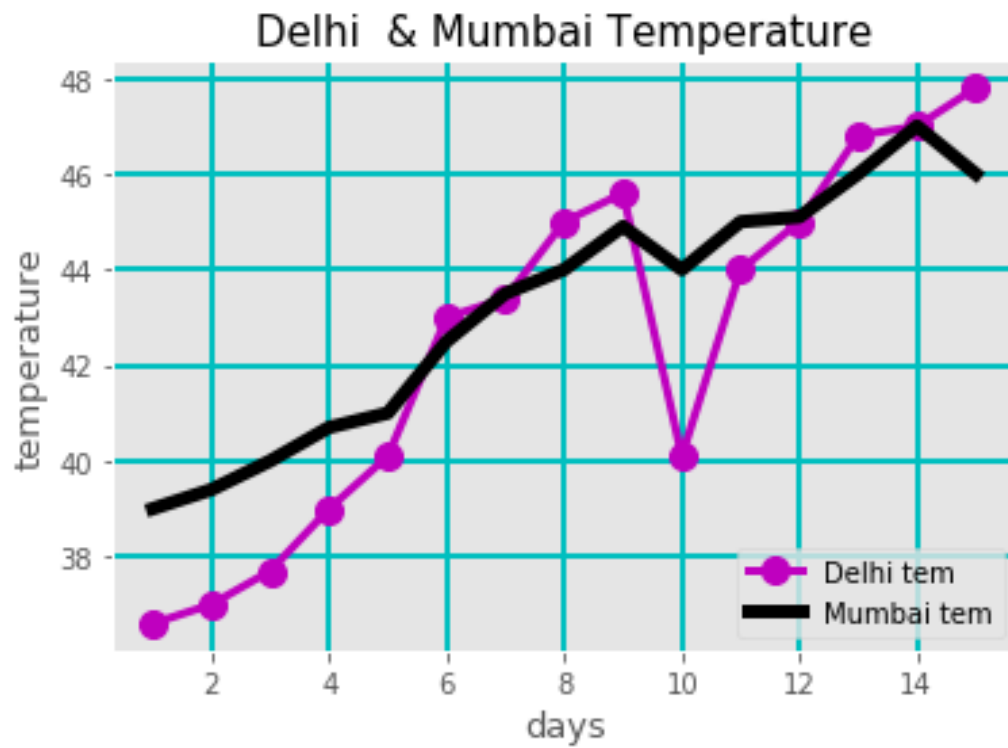
Delhi & Mumbai Temperature

```python
plt.plot(days, delhi_tem, "mo-", linewidth = 3,
        markersize = 10, label = "Delhi tem")

plt.plot(days, mumbai_tem, "k-", linewidth = 5,
        markersize = 10, label = "Mumbai tem")

plt.title("Delhi  & Mumbai Temperature", fontsize=15)
plt.xlabel("days",fontsize=13)
plt.ylabel("temperature",fontsize=13)
plt.legend(loc = 4)
plt.grid(color='c', linestyle='-', linewidth=2) # grid with parameter
plt.show()
```

Delhi & Mumbai Temperature

```
print("Thank you!")
```

Thank you!