```
pip install matplotlib
```

```
Requirement already satisfied: matplotlib in /usr/local/lib/python3.11/dist-packages (3.10.0
Requirement already satisfied: contourpy>=1.0.1 in /usr/local/lib/python3.11/dist-packages (
Requirement already satisfied: cycler>=0.10 in /usr/local/lib/python3.11/dist-packages (from
Requirement already satisfied: fonttools>=4.22.0 in /usr/local/lib/python3.11/dist-packages
Requirement already satisfied: kiwisolver>=1.3.1 in /usr/local/lib/python3.11/dist-packages
Requirement already satisfied: numpy>=1.23 in /usr/local/lib/python3.11/dist-packages (from
Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.11/dist-packages (f
Requirement already satisfied: pillow>=8 in /usr/local/lib/python3.11/dist-packages (from ma
Requirement already satisfied: pyparsing>=2.3.1 in /usr/local/lib/python3.11/dist-packages (
Requirement already satisfied: python-dateutil>=2.7 in /usr/local/lib/python3.11/dist-packag
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.11/dist-packages (from pyt
```

```
import numpy as np
```

```
import pandas as pd
```

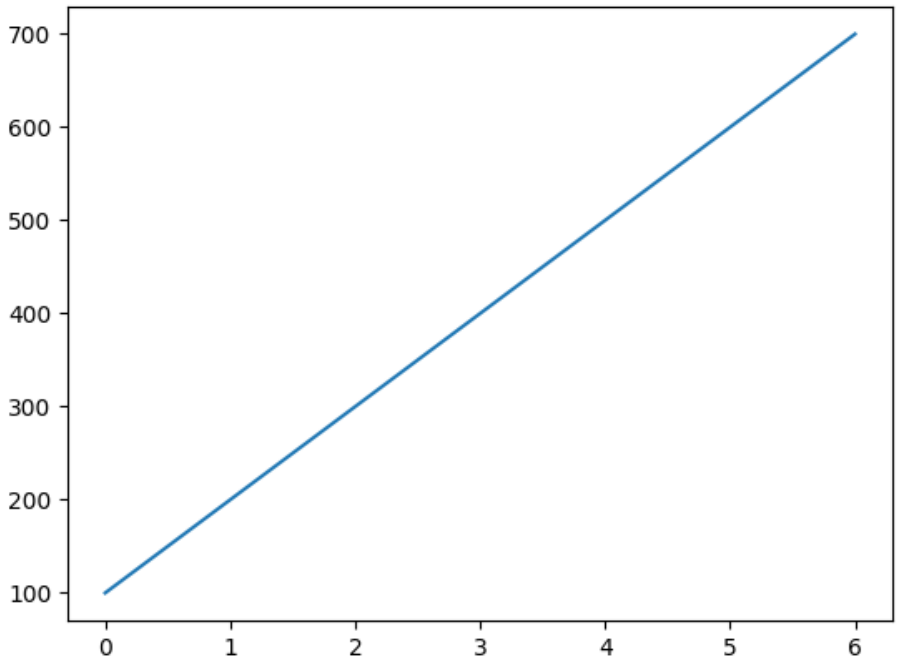
```
import matplotlib.pyplot as plt
```

```
a =[100,200,300,400,500,600,700]
```

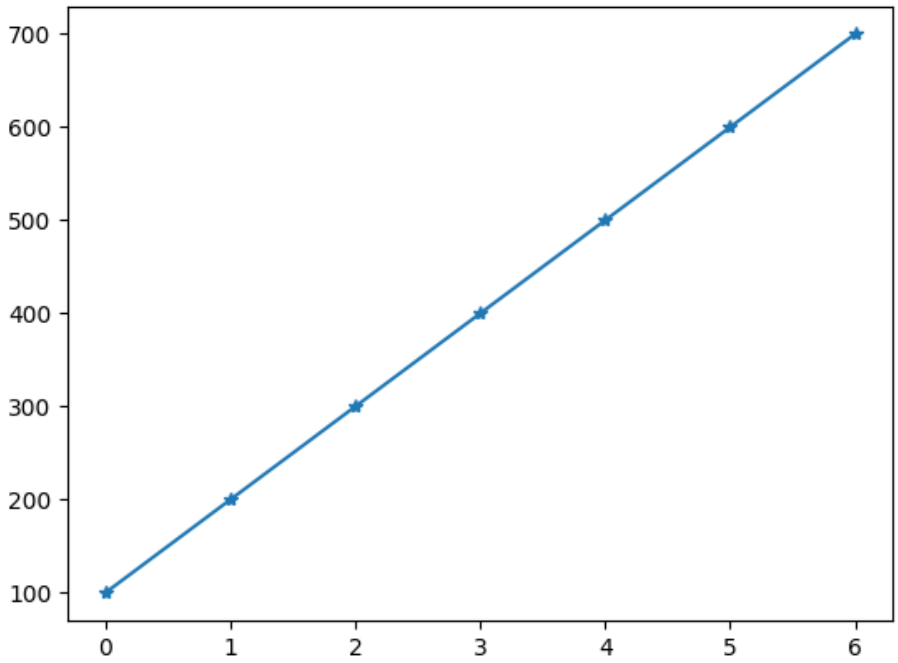
```
a
```

```
[100, 200, 300, 400, 500, 600, 700]
```

```
plt.plot(a)
plt.show()
```




```
plt.plot(a,marker ="*")
plt.show()
```




```
days= ["2025-02-22","2025-02-23","2025-02-24","2025-02_25","2025-02-26","2025-02-27",
       "2025-02-28","2025-03-01","2025-03-02","2025-03-03"]
```

```
days
```

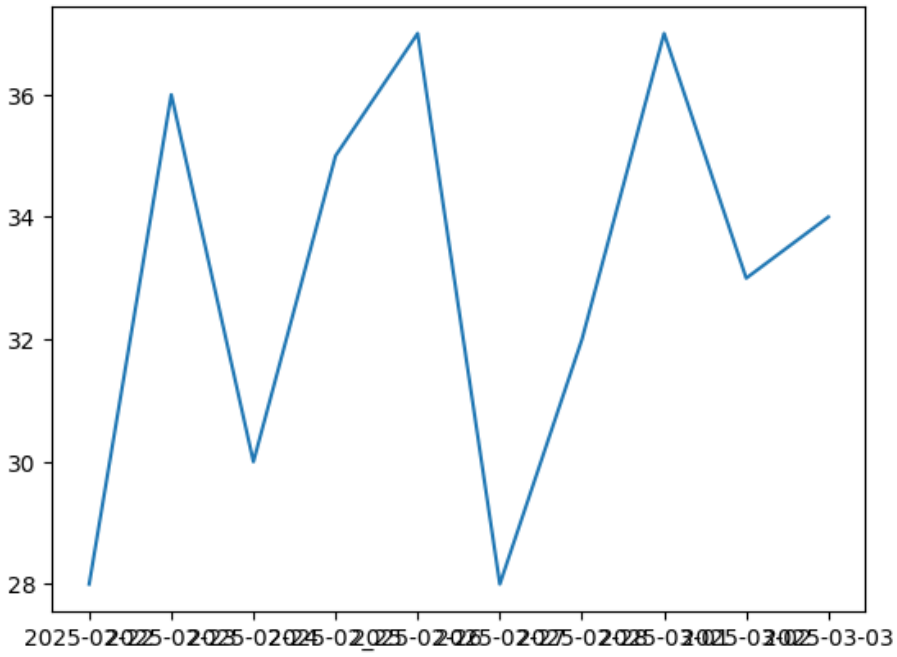
```
['2025-02-22',
 '2025-02-23',
 '2025-02-24',
 '2025-02_25',
 '2025-02-26',
 '2025-02-27',
 '2025-02-28',
 '2025-03-01',
 '2025-03-02',
 '2025-03-03']
```

```
temp = np.random.randint(28,38,(10))
```

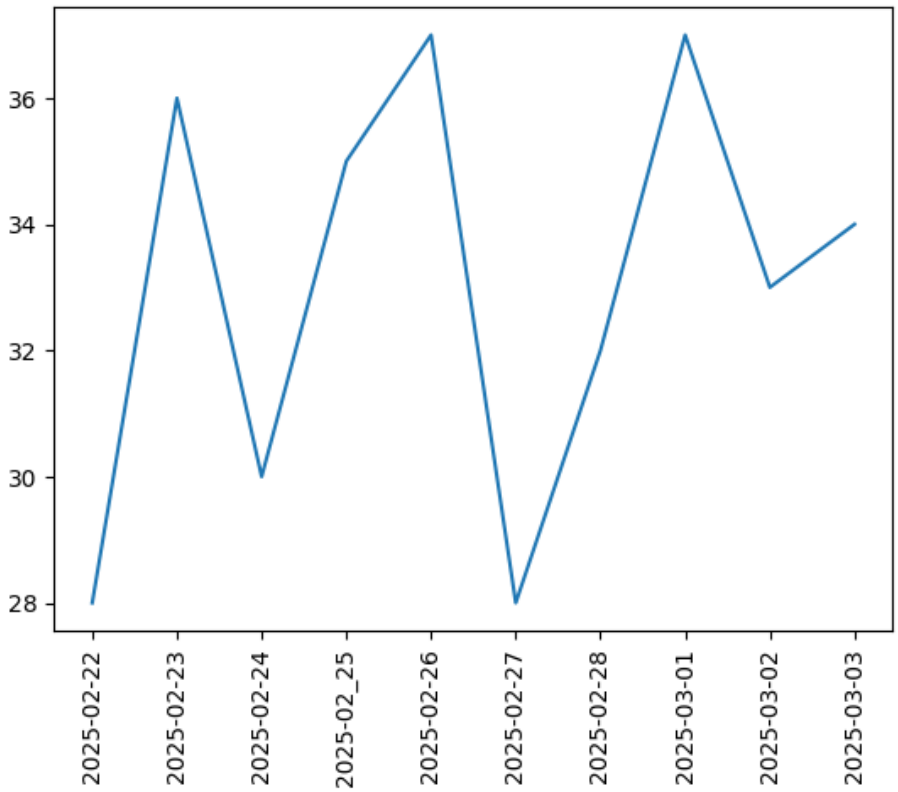
```
temp
```

```
array([28, 36, 30, 35, 37, 28, 32, 37, 33, 34])
```

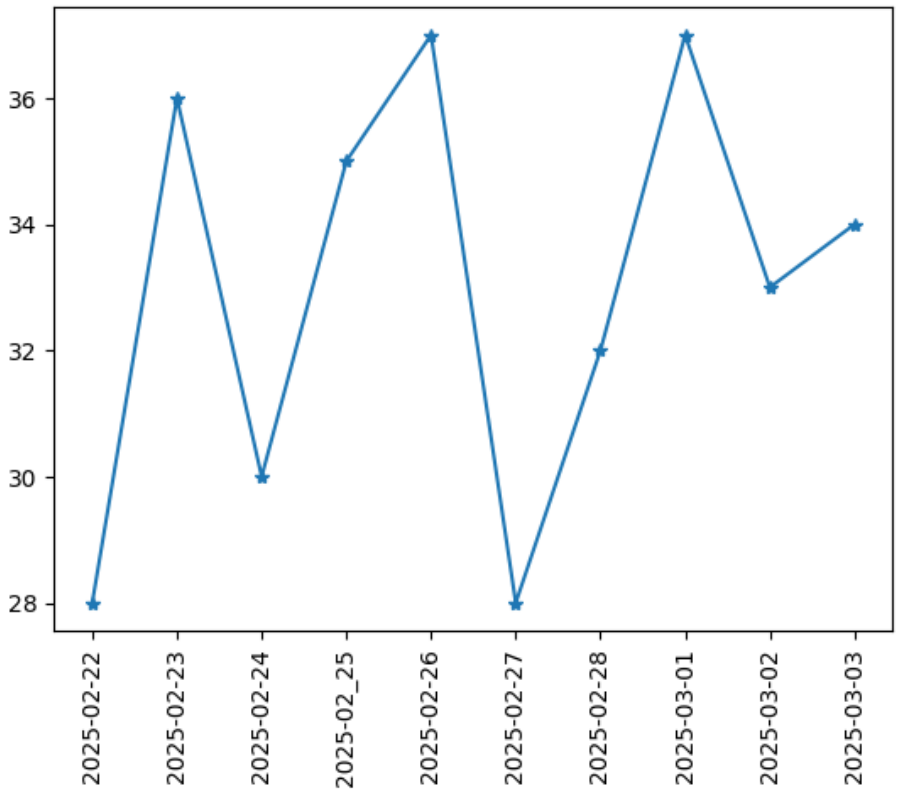
```
plt.plot(days,temp)
plt.show()
```



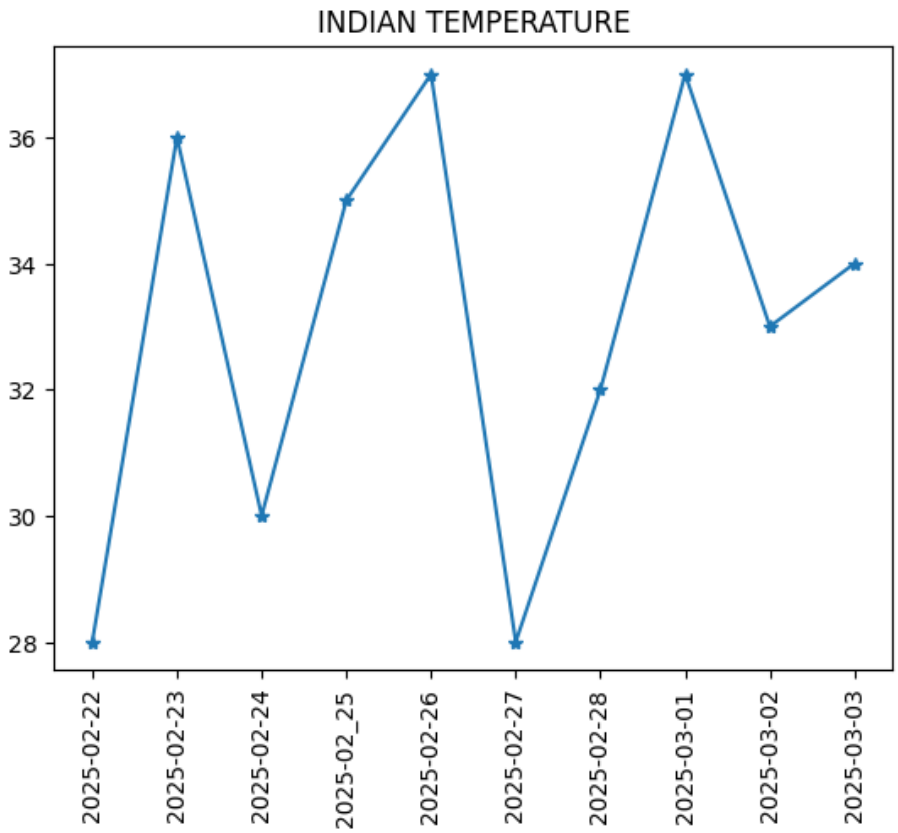

```
plt.plot(days,temp)
plt.xticks(rotation = 90)
plt.show()
```



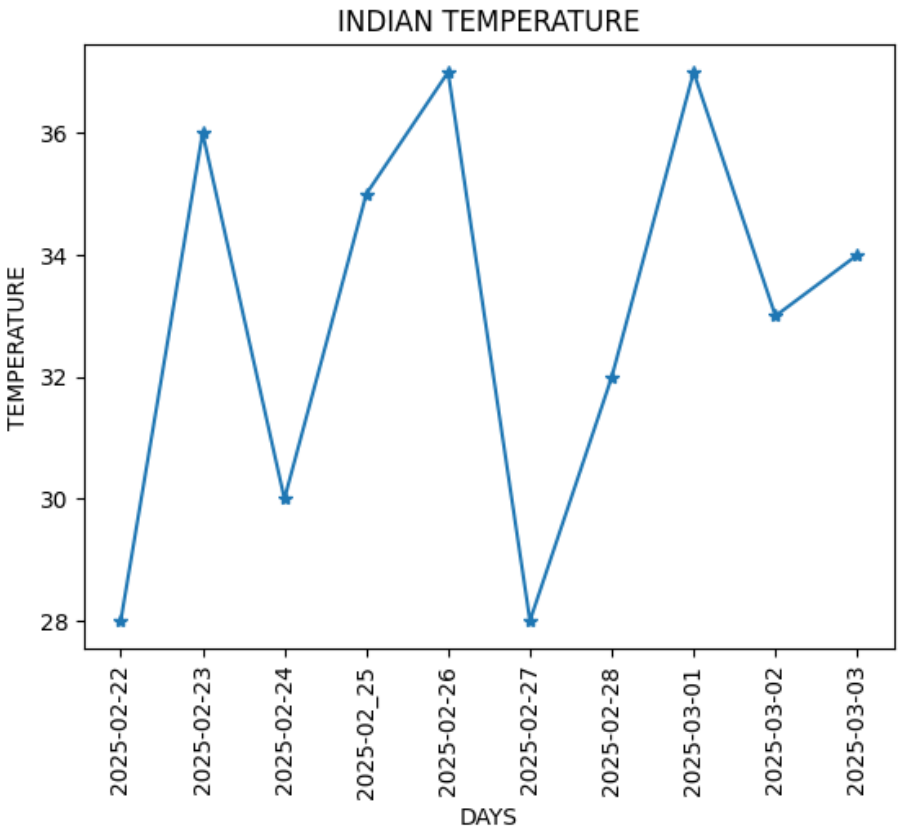

```
plt.plot(days,temp,marker = "*")
plt.xticks(rotation = 90)
plt.show()
```



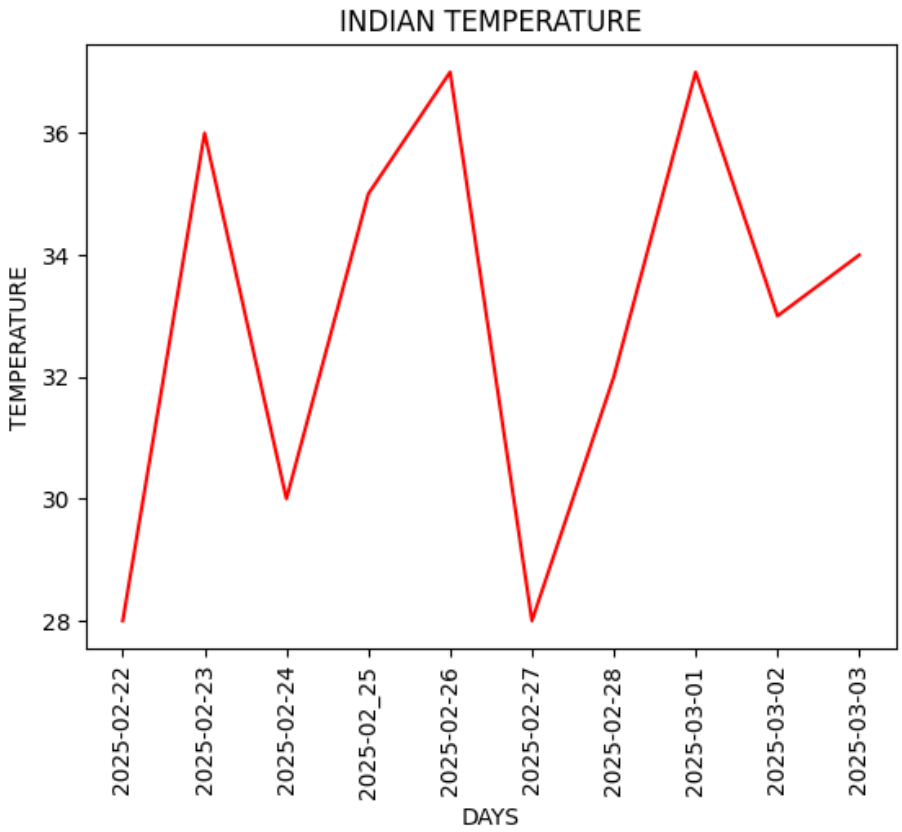

```
plt.plot(days,temp,marker = "*")
plt.title("INDIAN TEMPERATURE")
plt.xticks(rotation = 90)
plt.show()
```



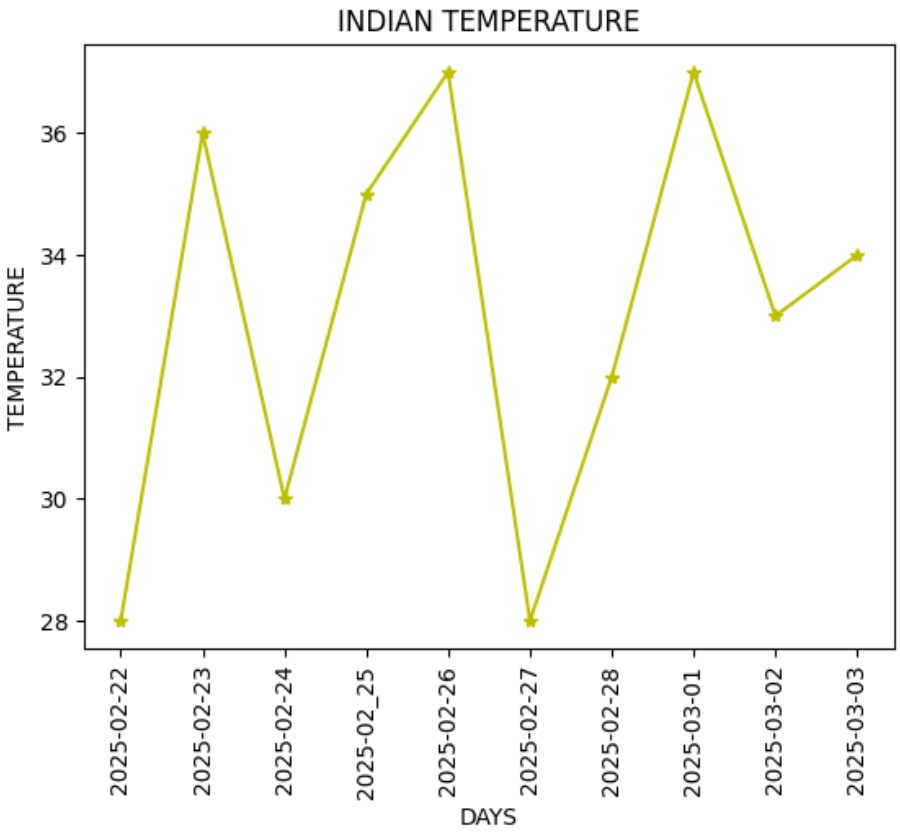

```
plt.plot(days,temp,marker = "*")
plt.title("INDIAN TEMPERATURE")
plt.xlabel("DAYS")
plt.ylabel("TEMPERATURE")
plt.xticks(rotation = 90)
plt.show()
```



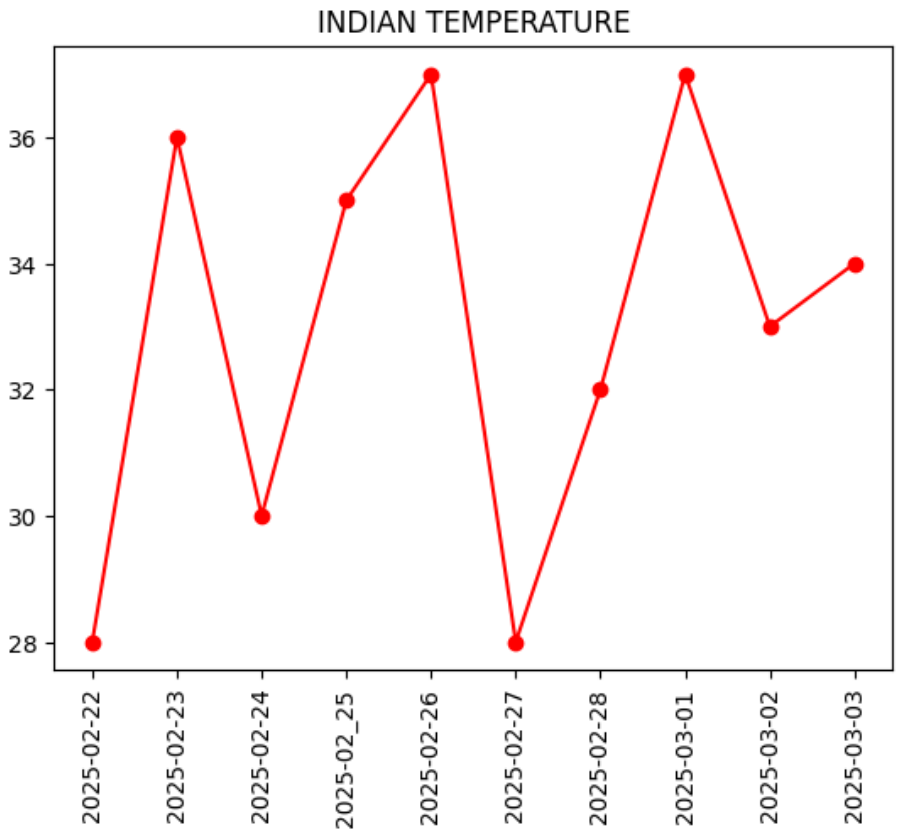

```
plt.plot(days,temp,color="red")
plt.title("INDIAN TEMPERATURE")
plt.xlabel("DAYS")
plt.ylabel("TEMPERATURE")
plt.xticks(rotation = 90)
plt.show()
```



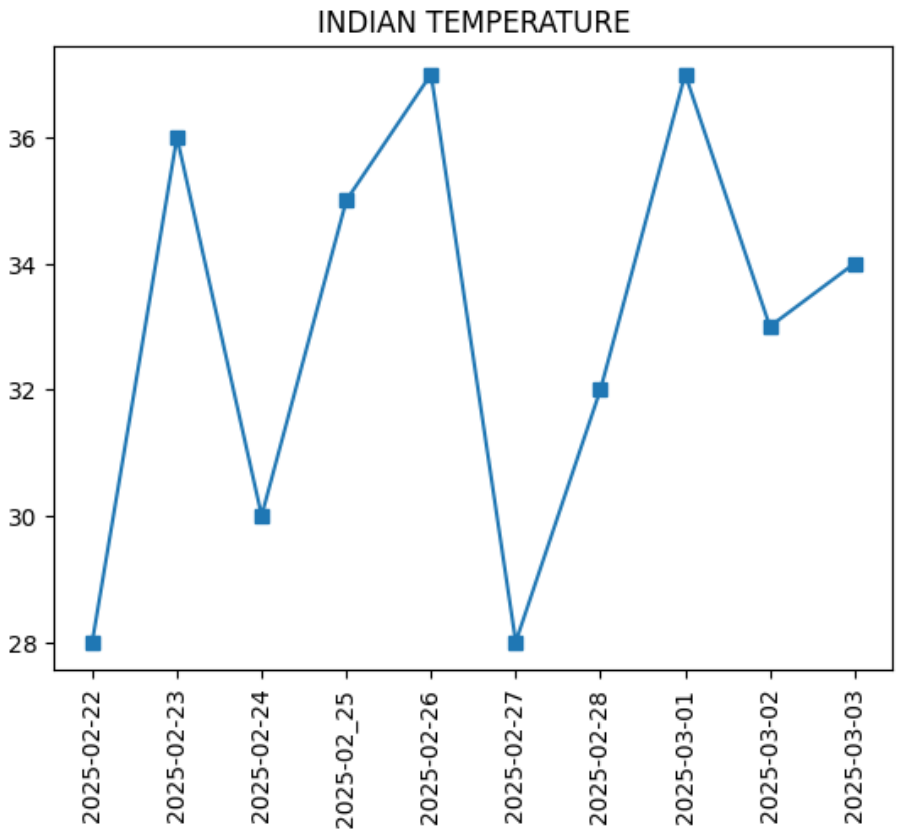

```
plt.plot(days,temp,marker = "*",color="y")
plt.title("INDIAN TEMPERATURE")
plt.xlabel("DAYS")
plt.ylabel("TEMPERATURE")
plt.xticks(rotation = 90)
plt.show()
```



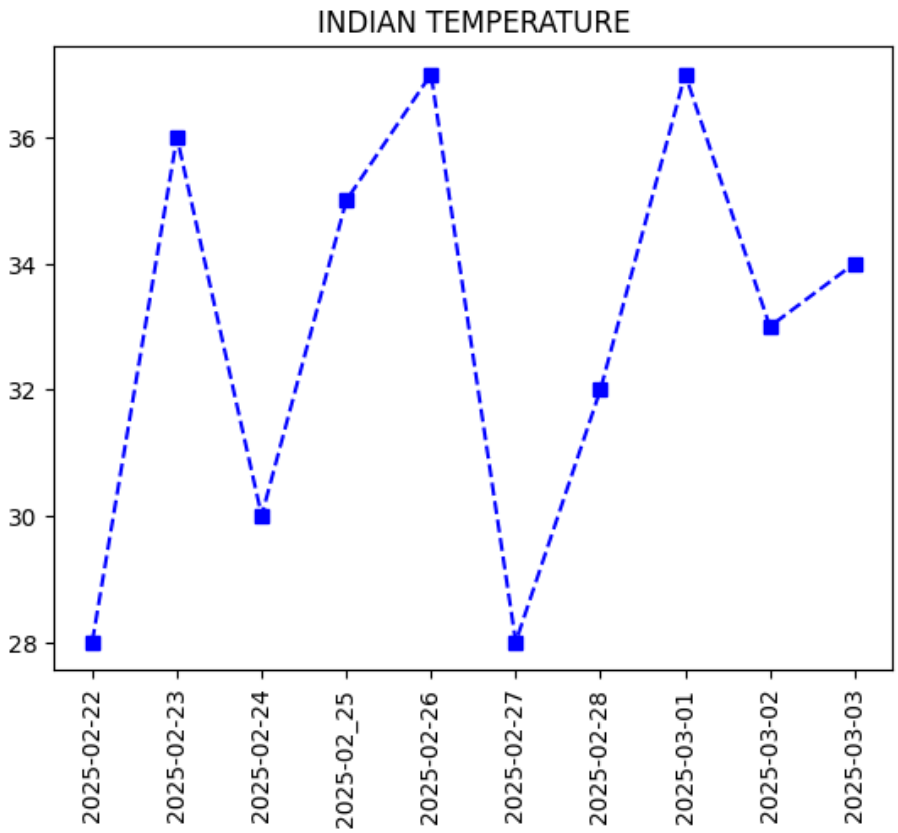

```
plt.plot(days,temp,marker = "o",color="r")
plt.title("INDIAN TEMPERATURE")
plt.xticks(rotation = 90)
plt.show()
```



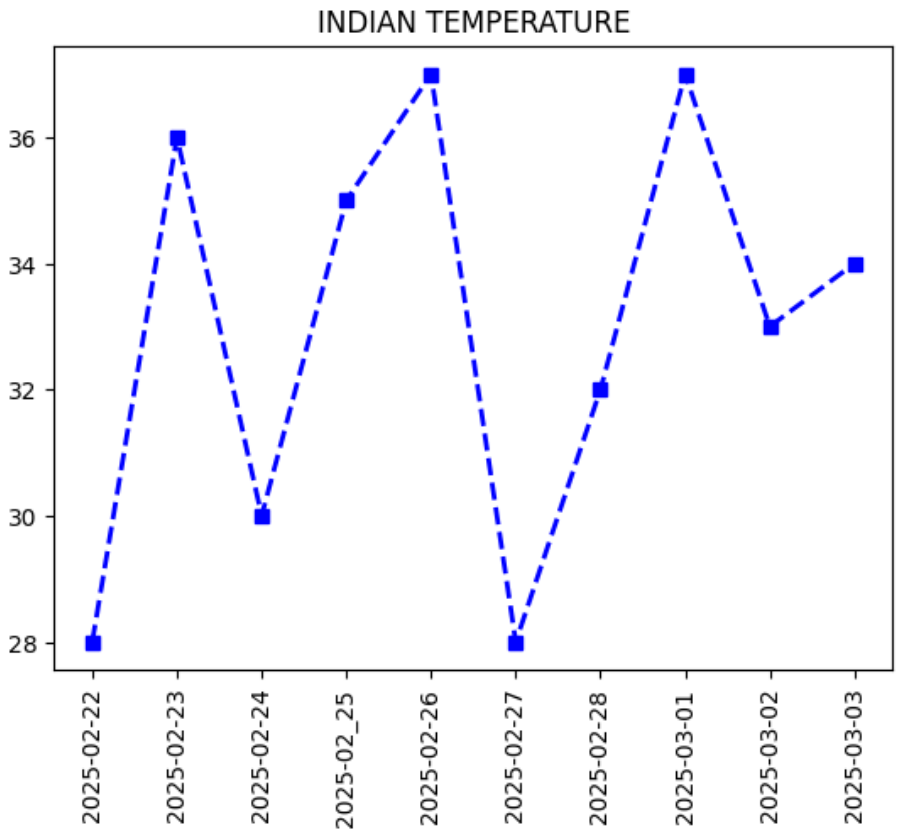

```
plt.plot(days,temp,marker = "s",)
plt.title("INDIAN TEMPERATURE")
plt.xticks(rotation = 90)
plt.show()
```



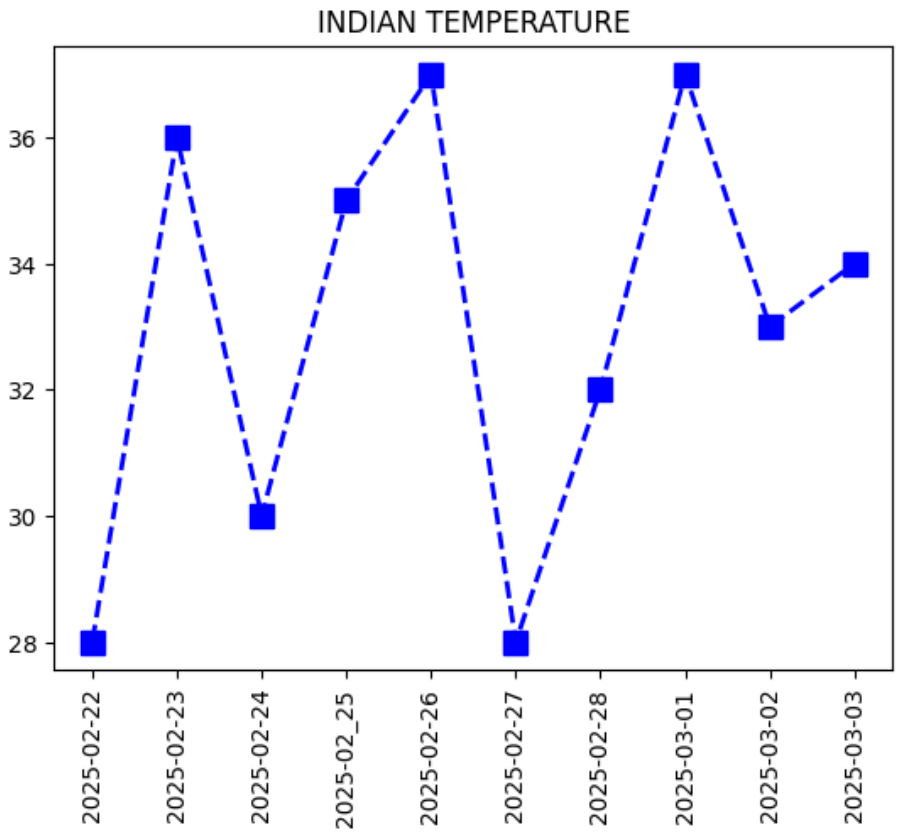

```
plt.plot(days,temp,color = "b",marker = "s",linestyle = "--")
plt.title("INDIAN TEMPERATURE")
plt.xticks(rotation = 90)
plt.show()
```



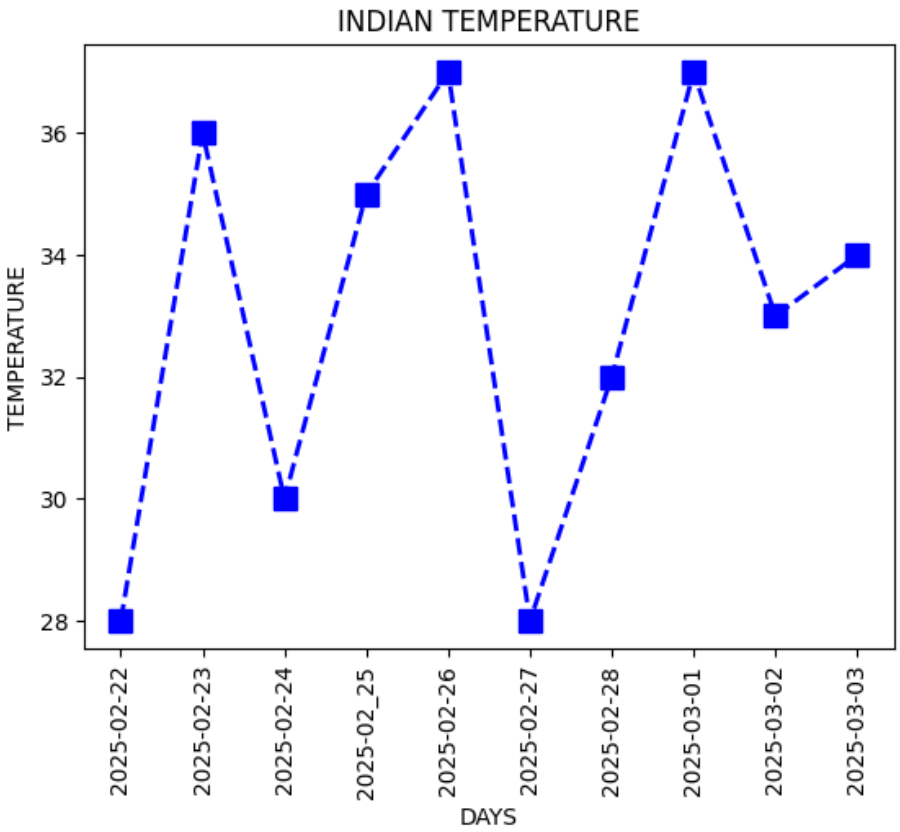

```
plt.plot(days,temp,color = "b",marker = "s",linestyle = "--",linewidth=2)
plt.title("INDIAN TEMPERATURE")
plt.xticks(rotation = 90)
plt.show()
```



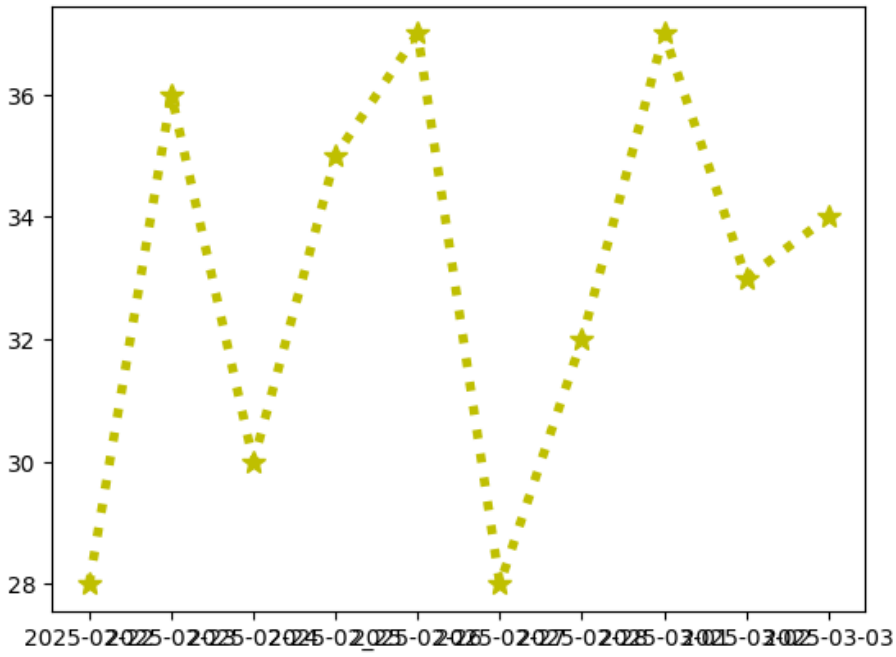

```
plt.plot(days,temp,color = "b",marker = "s",markersize=10,linestyle = "--",lw=2)
plt.title("INDIAN TEMPERATURE")
plt.xticks(rotation = 90)
plt.show()
```



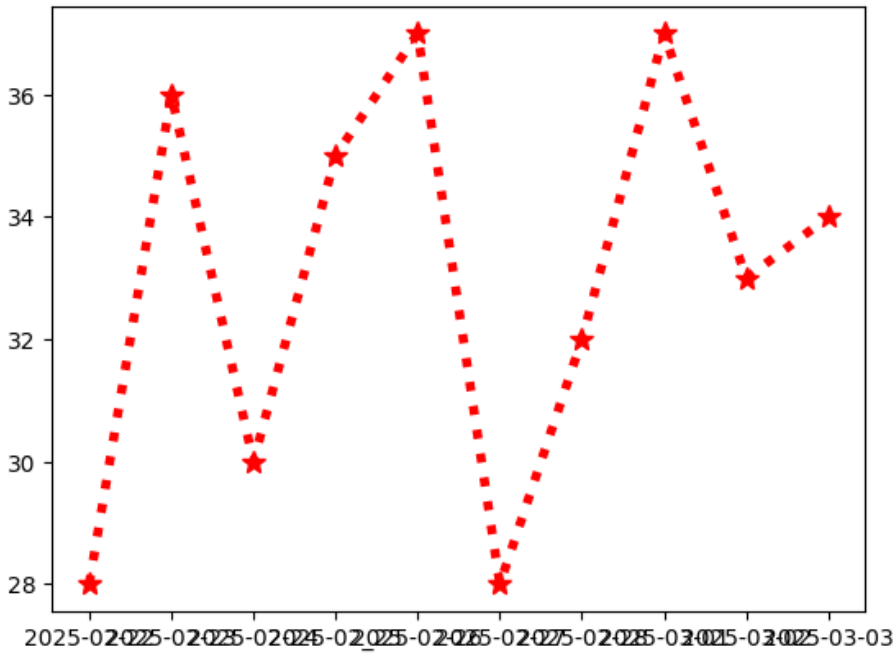

```
plt.plot(days, temp, color = "b", marker = "s", markersize=10,ls="--",lw=2)

plt.title("INDIAN TEMPERATURE")
plt.xlabel("DAYS")
plt.ylabel("TEMPERATURE")
plt.xticks(rotation = 90)
plt.show()
```



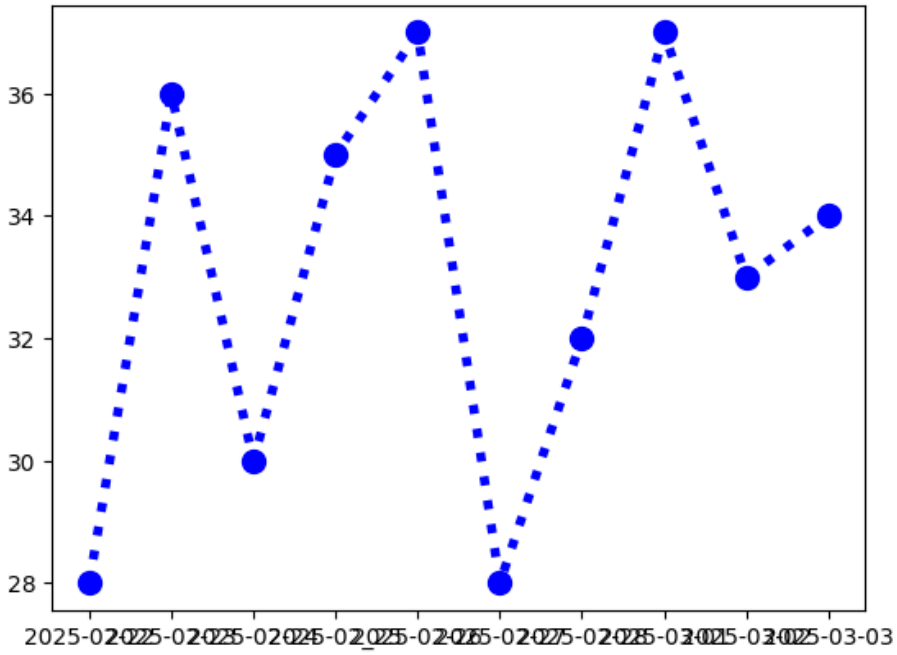

```
plt.plot(days, temp,  marker = "*",color="y" ,ls =":",lw=4, markersize="10")
plt.show()
```



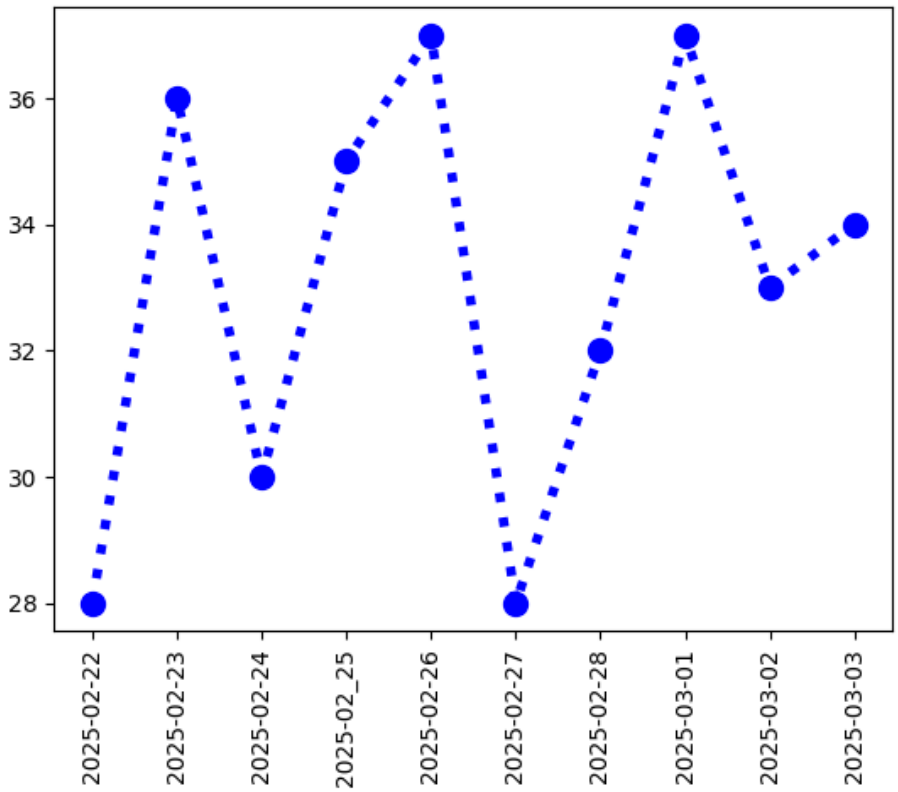

```
plt.plot(days, temp,  marker = "*",color="r" ,ls =":",lw=4, markersize="10")
plt.show()
```



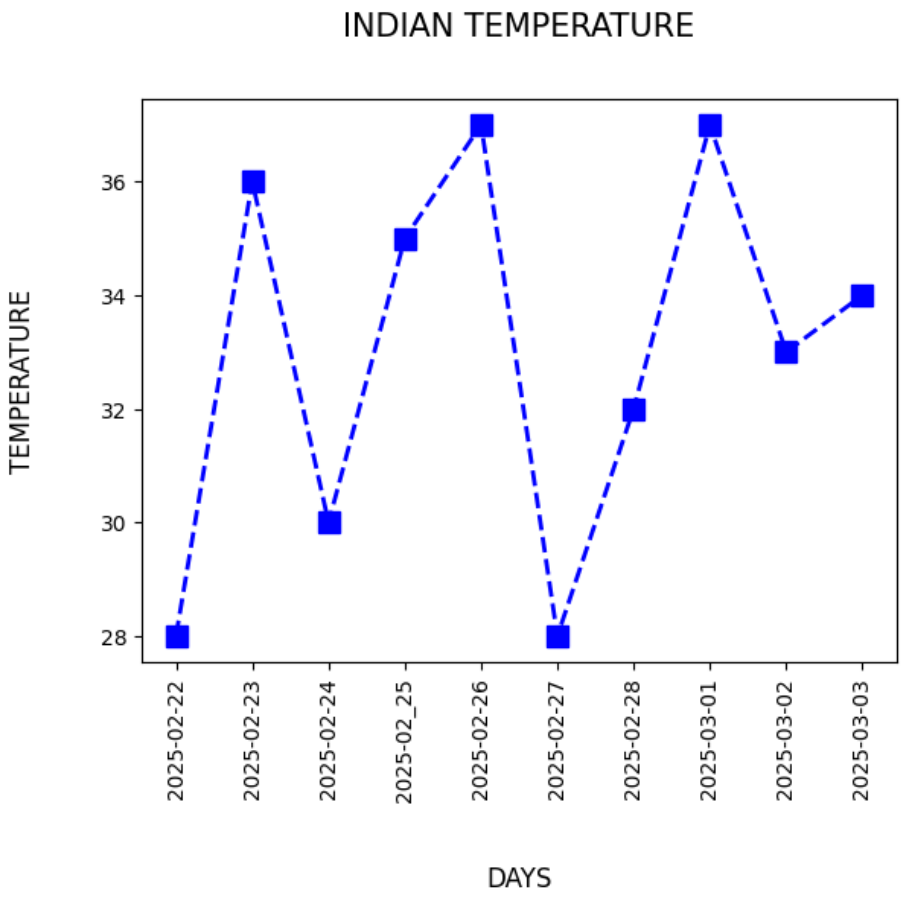
```
plt.plot(days, temp,"ob:",lw=4, markersize="10")
plt.show()
```




```
plt.plot(days, temp,"ob:",lw=4, markersize="10")
plt.xticks(rotation =90)
plt.show()
```




```
plt.plot(days, temp, color = "b", marker = "s", markersize=10,ls="--",lw=2)

plt.title("INDIAN TEMPERATURE",fontsize=15,pad=30)
plt.xlabel("DAYS",fontsize =12,labelpad=30)
plt.ylabel("TEMPERATURE",fontsize =12,labelpad =30)
plt.xticks(rotation = 90)
plt.show()
```




```
days
```

```
['2025-02-22',
 '2025-02-23',
 '2025-02-24',
 '2025-02_25',
 '2025-02-26',
 '2025-02-27',
 '2025-02-28',
 '2025-03-01',
 '2025-03-02',
 '2025-03-03']
```

```
temp
```

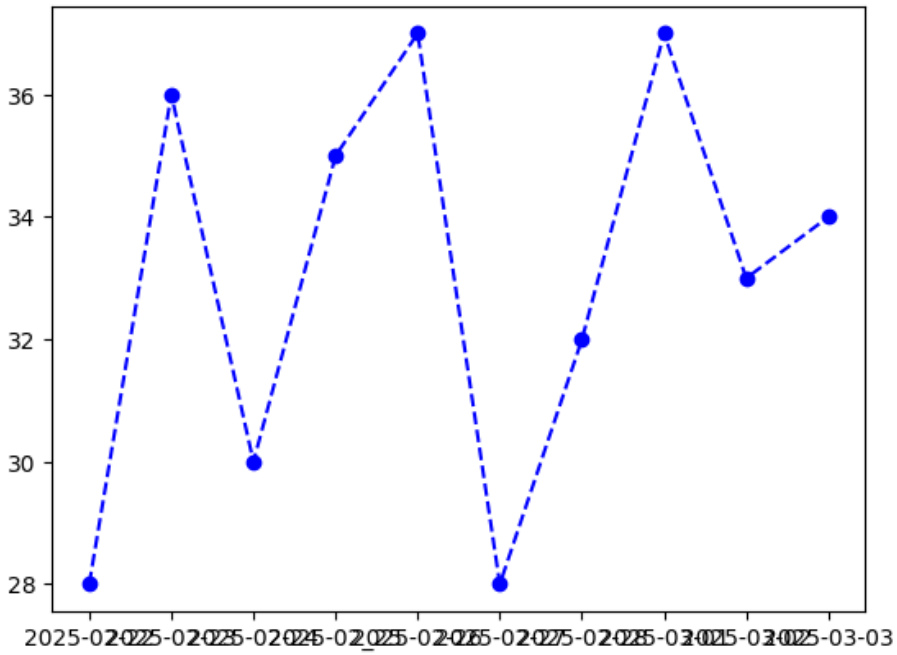
```
array([28, 36, 30, 35, 37, 28, 32, 37, 33, 34])
```

```
humid =np.random.randint(40,80,(10))
```

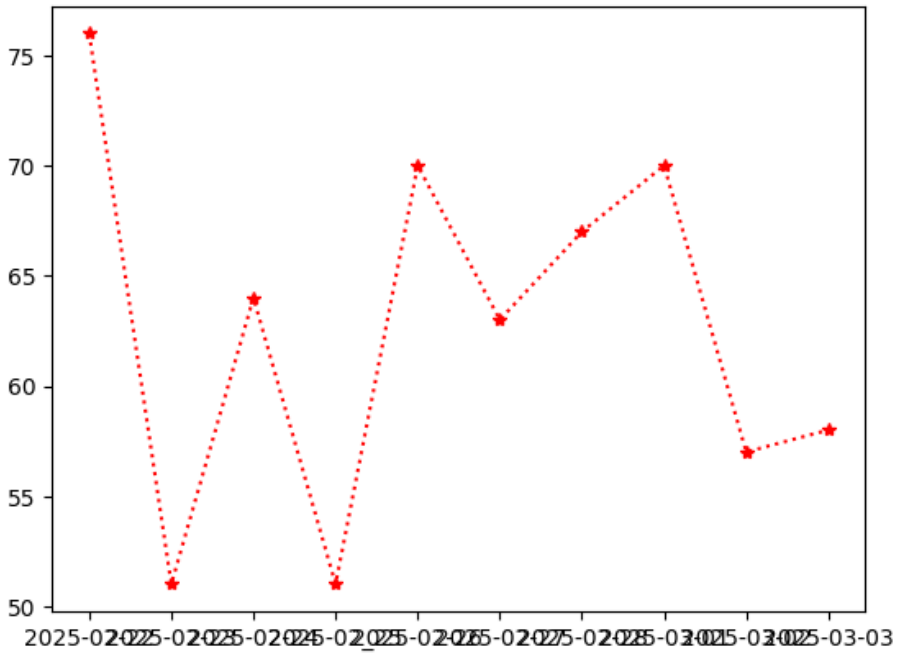
```
humid
```

```
array([76, 51, 64, 51, 70, 63, 67, 70, 57, 58])
```

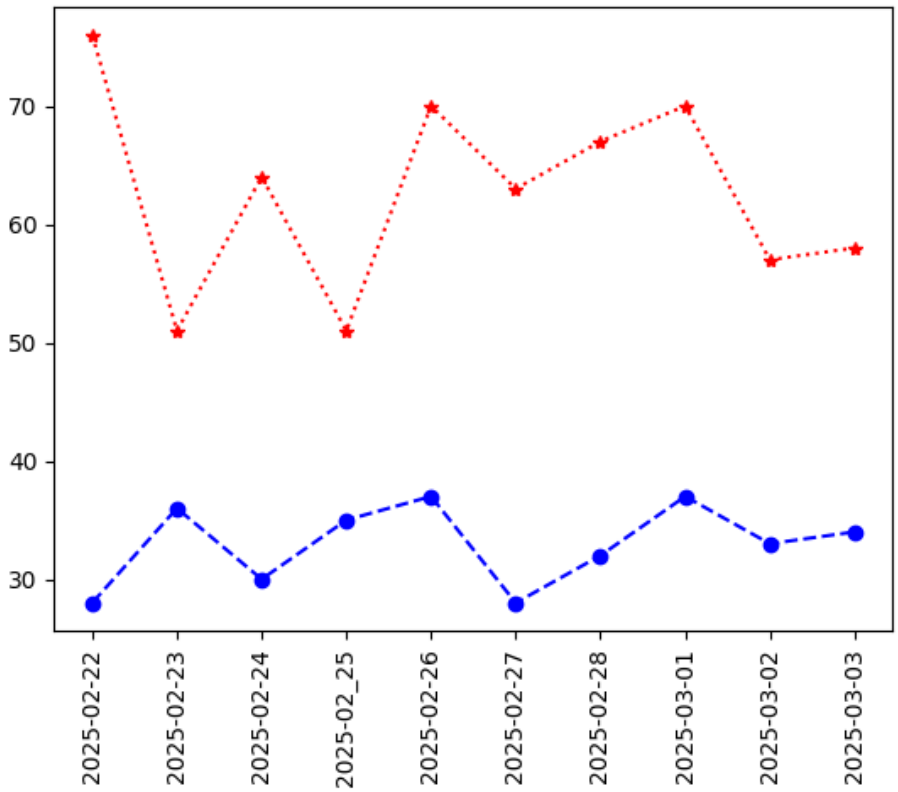
```
plt.plot(days,temp,"bo--")
plt.show()
```



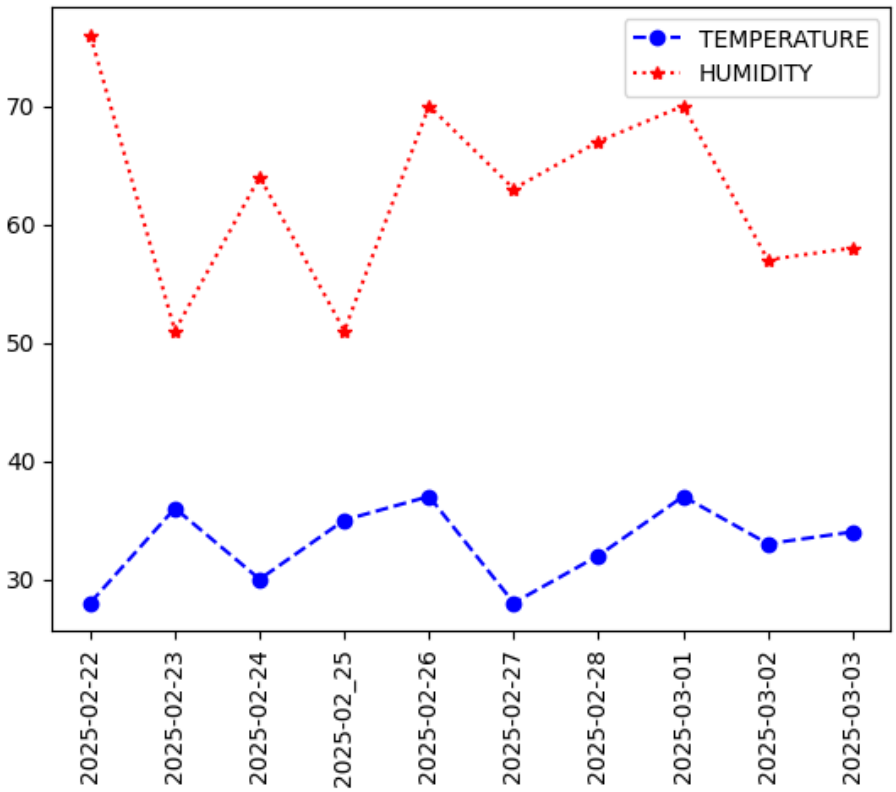

```
plt.plot(days,humid,":r*")
plt.show()
```




```
plt.plot(days,temp,"bo--")
plt.plot(days,humid,"r*:")
plt.xticks(rotation =90)
plt.show()
```




```
plt.plot(days,temp,"bo--",label = "TEMPERATURE")
plt.plot(days,humid,"r*:",label = "HUMIDITY")
plt.xticks(rotation =90)
plt.legend()
plt.show()
```


TEMPERATURE
HUMIDITY
70
60
50
40
30
2025-02-22
2025-02-23
2025-02-24
2025-02_25
2025-02-26
2025-02-27
2025-02-28
2025-03-01
2025-03-02
2025-03-03