In [1]:
```
import pandas as pd
weekly_temp = []
week_of_day =['Sun','Mon','Tue','Wed','Thu','Fri','Sat']
for i in week_of_day:
    daily_low = input("Enter " + i + "'s daily low temperature in celciu
s:")
    daily_high = input("Enter " + i + "'s daily high temperature in celc
ius:")
    weekly_temp.append({'day':i,'low':daily_low,'high':daily_high})
print(weekly_temp)
df = pd.DataFrame(weekly_temp) # Assign the list of dictionaries to a da
taframe
df.to_csv('weekly_temp.csv',mode='w',index=False)
df
```

```
Enter Sun's daily low temperature in celcius:20
Enter Sun's daily high temperature in celcius:25
Enter Mon's daily low temperature in celcius:19
Enter Mon's daily high temperature in celcius:24
Enter Tue's daily low temperature in celcius:17
Enter Tue's daily high temperature in celcius:23
Enter Wed's daily low temperature in celcius:16
Enter Wed's daily high temperature in celcius:20
Enter Thu's daily low temperature in celcius:15
Enter Thu's daily high temperature in celcius:18
Enter Fri's daily low temperature in celcius:20
Enter Fri's daily high temperature in celcius:26
Enter Sat's daily low temperature in celcius:21
Enter Sat's daily high temperature in celcius:24
[{'day': 'Sun', 'low': '20', 'high': '25'}, {'day': 'Mon', 'low': '19',
'high': '24'}, {'day': 'Tue', 'low': '17', 'high': '23'}, {'day': 'We
d', 'low': '16', 'high': '20'}, {'day': 'Thu', 'low': '15', 'high': '1
8'}, {'day': 'Fri', 'low': '20', 'high': '26'}, {'day': 'Sat', 'low':
'21', 'high': '24'}]
```

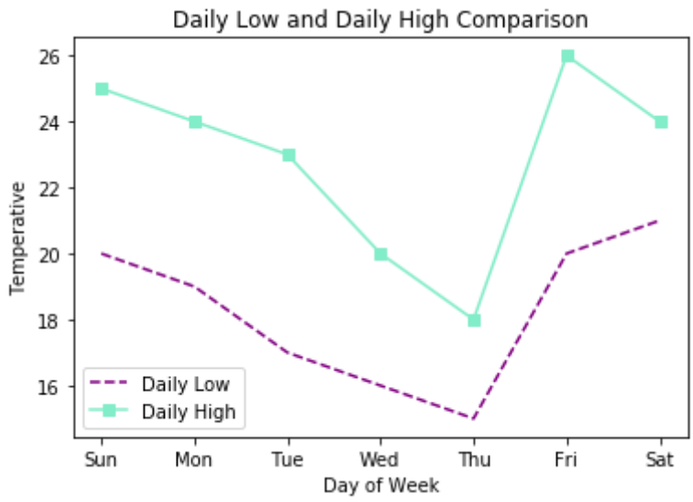
Out[1]:

	day	high	low
0	Sun	25	20
1	Mon	24	19
2	Tue	23	17
3	Wed	20	16
4	Thu	18	15
5	Fri	26	20
6	Sat	24	21

In [3]:
```
import pandas as pd
from matplotlib import pyplot as plt
df = pd.read_csv("weekly_temp.csv") # import csv file by using the read_
csv functon in Pandas
df # list the dataframe
temp_list = df.values.tolist()
print("Temperature List:","\n",temp_list)
day_of_week = []
daily_low = []
daily_high = []
for i in temp_list:
    day_of_week.append(i[0])
    daily_high.append(i[1])
    daily_low.append(i[2])
print("Daily low:",daily_low,"\n")
print("Daily high:",daily_high,"\n")
plt.plot(day_of_week, daily_low, color='purple',linestyle='--')
plt.plot(day_of_week, daily_high, color='#82edc9',marker='s')
plt.legend(['Daily Low', 'Daily High'])
plt.xlabel("Day of Week")
plt.ylabel("Temperative")
plt.title('Daily Low and Daily High Comparison')
plt.show()
```

```
Temperature List:
 [['Sun', 25, 20], ['Mon', 24, 19], ['Tue', 23, 17], ['Wed', 20, 16],
['Thu', 18, 15], ['Fri', 26, 20], ['Sat', 24, 21]]
Daily low: [20, 19, 17, 16, 15, 20, 21]

Daily high: [25, 24, 23, 20, 18, 26, 24]
```



In [ ]:
```
```