In [9]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

1. Read data into dataframe

In [6]:
```
df = pd.read_csv("Best Perfoming Genres .csv")
```

2. Inspection of Data

In [7]:
```
df.head()
```

Out[7]:

	Genre	Average_Concert_Revenue	Total_revenue	Total_Concerts
0	Hip-Hop	507264.5540	1784434.42	3
1	K-Pop	662823.3689	7975925.02	10
2	Pop	633509.6659	13643954.88	17
3	R&B	540059.9289	2355894.21	4
4	R&B/Pop	553494.7233	2665354.55	4

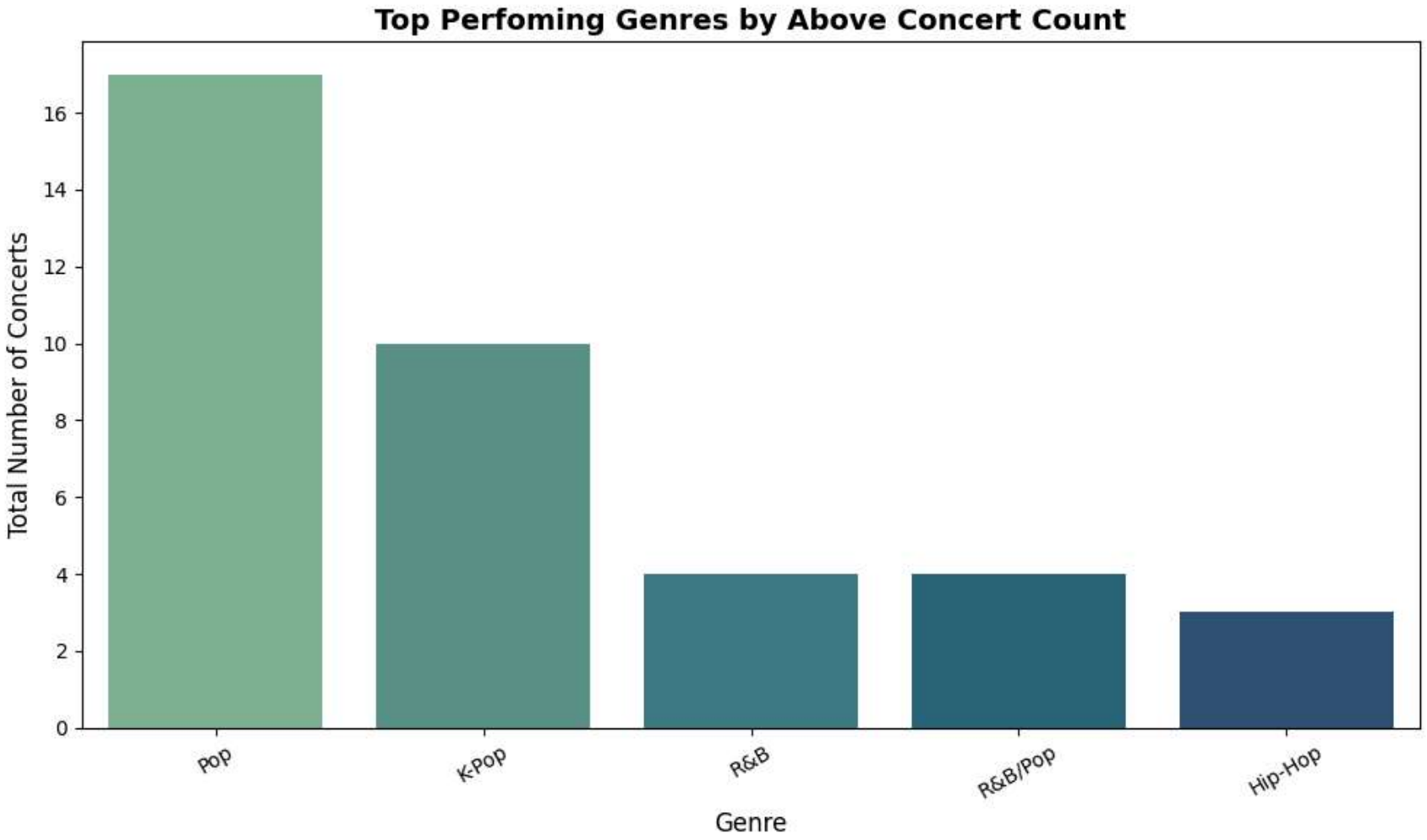
In [8]:
```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 5 entries, 0 to 4
Data columns (total 4 columns):
 #   Column                  Non-Null Count  Dtype  
---  ------                  --------------  -----  
 0   Genre                   5 non-null      object 
 1   Average_Concert_Revenue  5 non-null      float64
 2   Total_revenue           5 non-null      float64
 3   Total_Concerts          5 non-null      int64  
dtypes: float64(2), int64(1), object(1)
memory usage: 292.0+ bytes
```

3. Plotting Top Perfoming Genres By Concert Count

In [17]:
```
#Stripping WhiteSpaces from Column Names
df.columns = df.columns.str.strip()
df = df.sort_values(by = 'Total_Concerts', ascending=False)
#Visualization
plt.figure(figsize=(10,6))
sns.barplot(data=df, x ='Genre', y ='Total_Concerts', palette = 'crest')

#Add labels and Title
plt.title("Top Perfoming Genres by Above Concert Count", fontsize = 14, fontweight='bold')
plt.xlabel("Genre", fontsize=12)
plt.ylabel("Total Number of Concerts", fontsize = 12)
plt.xticks(rotation=30)
plt.tight_layout()

#Saving and Displaying
plt.savefig("Top Perfoming Genres By Concert Count.png", dpi=300, bbox_inches='tight')
plt.show()
```

```
C:\Users\User\AppData\Local\Temp\ipykernel_22572\183237353.py:6: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed in v0.14.0. Assign the `x` variable to `h
ue` and set `legend=False` for the same effect.

  sns.barplot(data=df, x ='Genre', y ='Total_Concerts', palette = 'crest')
```



4. Locating the Image

In [19]:
```
import os
print(os.getcwd())
```

```
D:\SQL  PRACTICE\music_concert
```

In [ ]: