In [1]:
```
%config Completer.use_jedi = False
```

Import Libraries and Load Dataset

In [2]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
df = pd.read_csv('AnimeList.csv', index_col=0)
df.head(10)
```

Out[2]:

	Title	Score	Genre
0	Death Note	8.63	Genres: Mystery, Police, Psychological, Supern...
1	Shingeki no Kyojin\nAttack on Titan	8.45	Genres: Action, Military, Mystery, Super Power...
2	Sword Art Online	7.28	Genres: Action, Game, Adventure, Romance, Fantasy
3	Fullmetal Alchemist: Brotherhood	9.22	Genres: Action, Military, Adventure, Comedy, D...
4	One Punch Man	8.60	Genres: Action, Sci-Fi, Comedy, Parody, Super ...
5	Tokyo Ghoul	7.82	Genres: Action, Mystery, Horror, Psychological...
6	Boku no Hero Academia\nMy Hero Academia	8.16	Genres: Action, Comedy, School, Shounen, Super...
7	Naruto	7.90	Genres: Action, Adventure, Comedy, Super Power...
8	Steins;Gate	9.12	Genres: Thriller, Sci-Fi
9	No Game No Life\nNo Game, No Life	8.23	Genres: Game, Adventure, Comedy, Supernatural,...

Data Cleaning

In [3]:
```
# Remove "Genre: "
df['Genres'] = df['Genre'].apply(lambda x: x.split(': ')[1])
```

In [4]:
```
# Join all values in Series Data
genre_join  = ','.join(df['Genres'])
```

In [5]:
```
# Split values by ',' in String Data
genre_split = genre_join.split(',')
```

In [6]:
```
# Remove space in leading and trailing whitespaces
result = []
for x in genre_split:
    result.append(x.strip())
```

In [7]:
```
# Put in Series dataset
data = pd.Series(result)
```


Data Visualization

In [8]:
```
mydata = []
for y in data.value_counts():
    mydata.append(y)
```

In [9]:
```
labels = []
for z in data.value_counts().index.tolist():
    labels.append(z)
```

In [10]:
```
newdf = pd.DataFrame({'Genre': labels, 'Total': mydata})
```

In [11]:
```
plt.figure(figsize=(15,10))
sns.barplot(data=newdf, x='Total', y='Genre')
```

Out[11]:
```
<AxesSubplot:xlabel='Total', ylabel='Genre'>
```