Seaborn으로 그래프 그리기

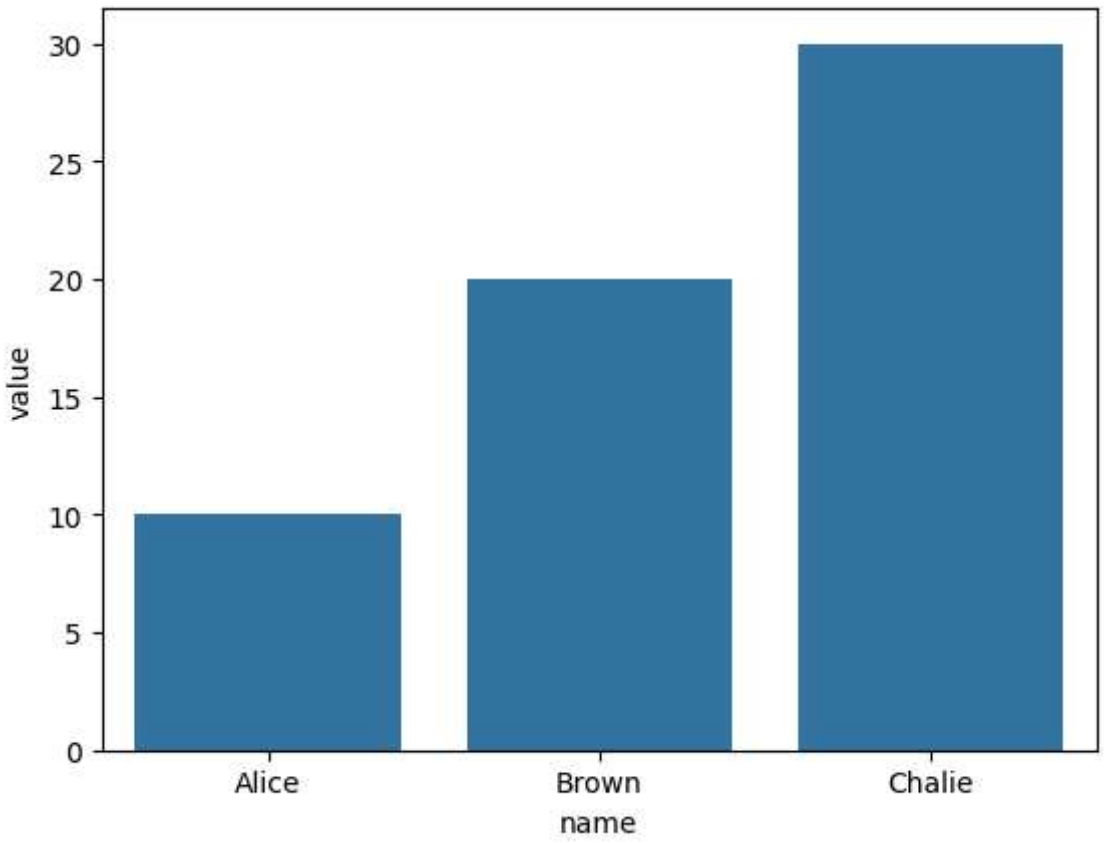
In [ ]:
```
import seaborn as sns
import pandas as pd

df = pd.DataFrame(
    [['Alice', 10], ['Brown', 20], ['Chalie', 30]],
    columns=['name', 'value']
)
df
```

Out[ ]:

	name	value
0	Alice	10
1	Brown	20
2	Chalie	30

In [2]:
```
sns.barplot(data=df, x='name', y='value')
```

Out[2]:
```
<Axes: xlabel='name', ylabel='value'>
```



In [3]:
```
df = pd.DataFrame([['홍길동', 10], ['Brown', 20], ['Chalie', 30]], columns=['nam
df
```

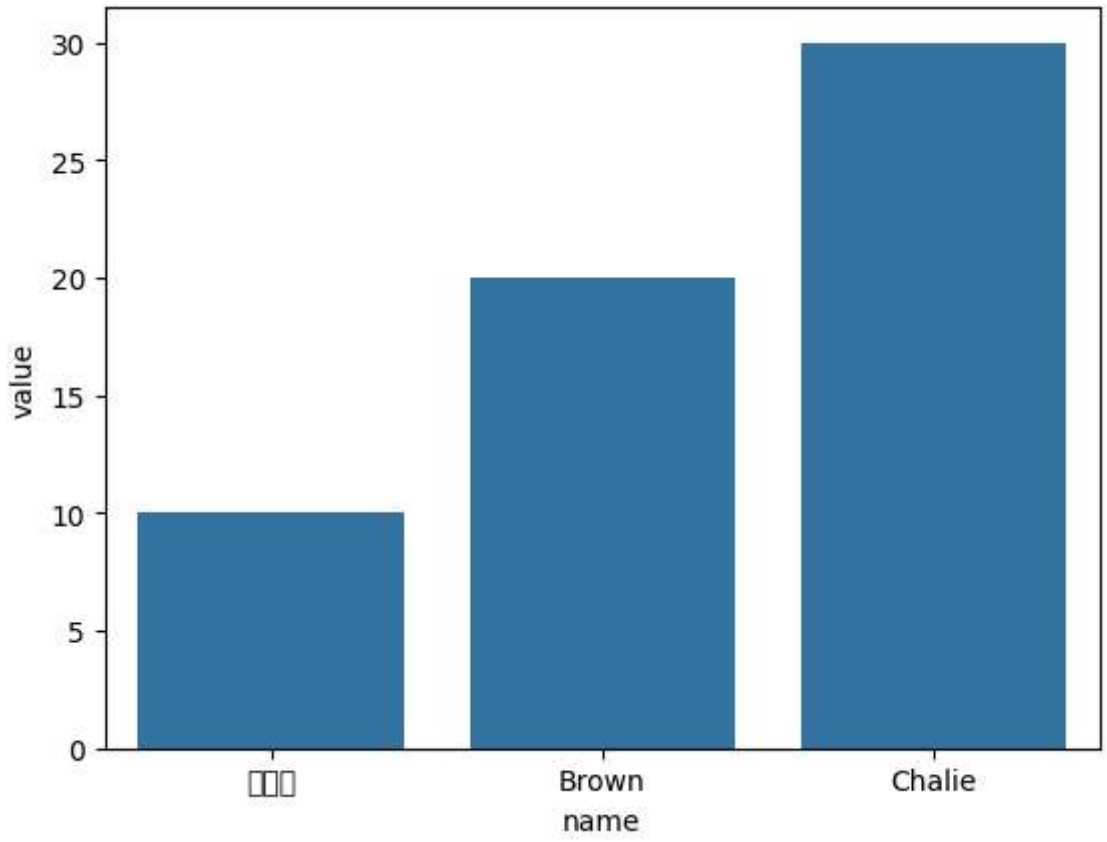
Out[3]:

	name	value
0	홍길동	10
1	Brown	20
2	Chalie	30

In [4]:
```
# 한글이 섞이면 안 된다.
sns.barplot(data=df, x='name', y='value')
```

Out[4]:
```
<Axes: xlabel='name', ylabel='value'>
```

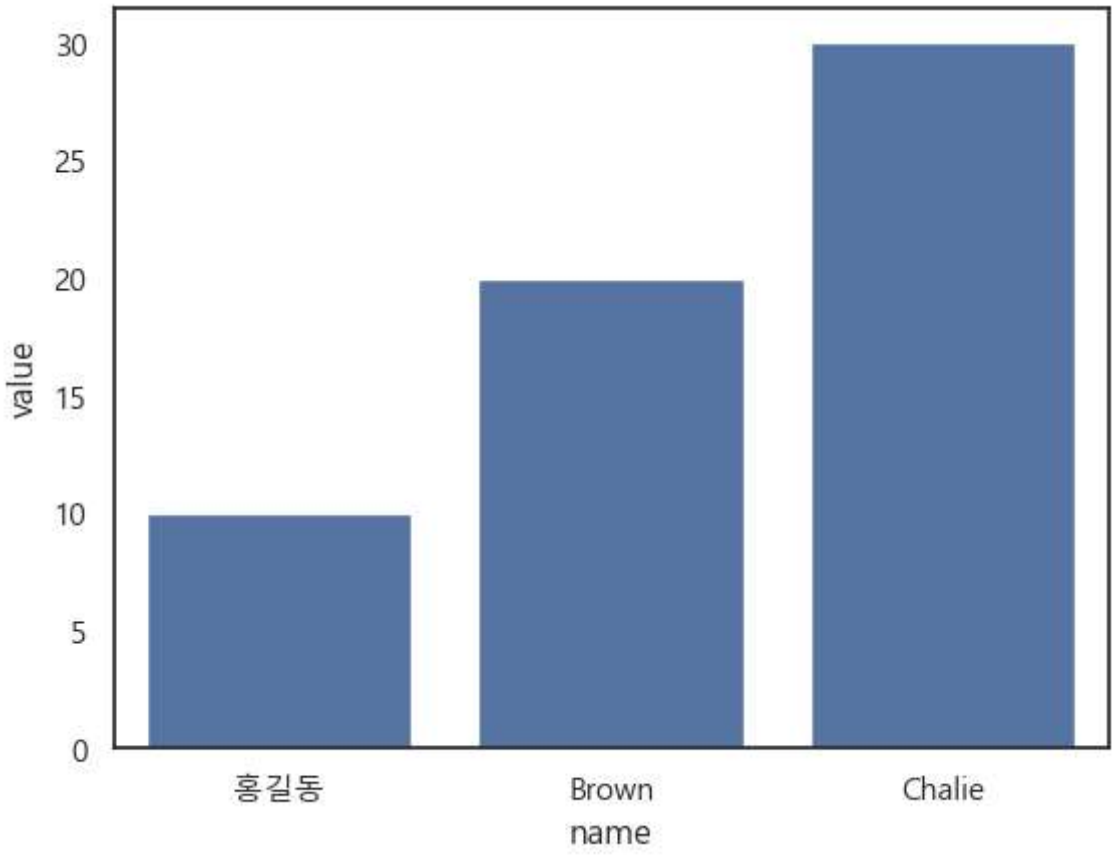
```
c:\github\melon_crawler\venv\Lib\site-packages\IPython\core\events.py:82: UserWar
ning: Glyph 54861 (\N{HANGUL SYLLABLE HONG}) missing from font(s) DejaVu Sans.
  func(*args, **kwargs)
c:\github\melon_crawler\venv\Lib\site-packages\IPython\core\events.py:82: UserWar
ning: Glyph 44600 (\N{HANGUL SYLLABLE GIL}) missing from font(s) DejaVu Sans.
  func(*args, **kwargs)
c:\github\melon_crawler\venv\Lib\site-packages\IPython\core\events.py:82: UserWar
ning: Glyph 46041 (\N{HANGUL SYLLABLE DONG}) missing from font(s) DejaVu Sans.
  func(*args, **kwargs)
c:\github\melon_crawler\venv\Lib\site-packages\IPython\core\pylabtools.py:170: Us
erWarning: Glyph 54861 (\N{HANGUL SYLLABLE HONG}) missing from font(s) DejaVu San
s.
  fig.canvas.print_figure(bytes_io, **kw)
c:\github\melon_crawler\venv\Lib\site-packages\IPython\core\pylabtools.py:170: Us
erWarning: Glyph 44600 (\N{HANGUL SYLLABLE GIL}) missing from font(s) DejaVu San
s.
  fig.canvas.print_figure(bytes_io, **kw)
c:\github\melon_crawler\venv\Lib\site-packages\IPython\core\pylabtools.py:170: Us
erWarning: Glyph 46041 (\N{HANGUL SYLLABLE DONG}) missing from font(s) DejaVu San
s.
  fig.canvas.print_figure(bytes_io, **kw)
```



In [6]:
```
sns.set_theme(font="Malgun Gothic",
        rc={"axes.unicode_minus":False},
        style='white'
        )
```

In [7]:
```
sns.barplot(data=df, x='name', y='value')
```

Out[7]:
```
<Axes: xlabel='name', ylabel='value'>
```



In [8]:
```
# 2024년 멜론차트를 그래프로 그려보자.
df_2024 = pd.read_excel('./output/kpop_2024.xlsx')
df_2024
```

Out[8]:

	Unnamed: 0	artist_id	artist_name	point	song_title	songs
0	0	3114174	NewJeans	24181	11	['Super Shy', 'Bubble Gum', 'Hype Boy', 'Ditto...
1	1	894864	DAY6 (데이식스)	16446	13	['그녀가 웃었다', 'Congratulations', '녹아내려요', '한 페이지...
2	2	2899555	aespa	13889	7	['Spicy', 'UP (KARINA Solo)', 'Supernova', 'Ar...
3	3	3055146	IVE (아이브)	12736	9	['After LIKE', 'Kitsch', 'LOVE DIVE', 'Baddie'...
4	4	994944	임영웅	11058	15	['온기', '인생찬가', 'Do or Die', '무지개', '우리들의 블루스',...
...	...	...	...	...	...	...
109	109	860988	Alessia Cara	8	1	['Make It To Christmas']
110	110	5973	조장혁	6	1	['면도']
111	111	3480275	허용별 (허각, 신용재, 임한별)	5	1	['고민중독 (Ballad Ver.)']
112	112	647971	비투비	2	1	['그리워하다']
113	113	103599	WHAM!	1	1	['Last Christmas']

114 rows × 6 columns

In [9]:
```
df_2024.drop(columns=['Unnamed: 0'], inplace=True)
df_2024
```

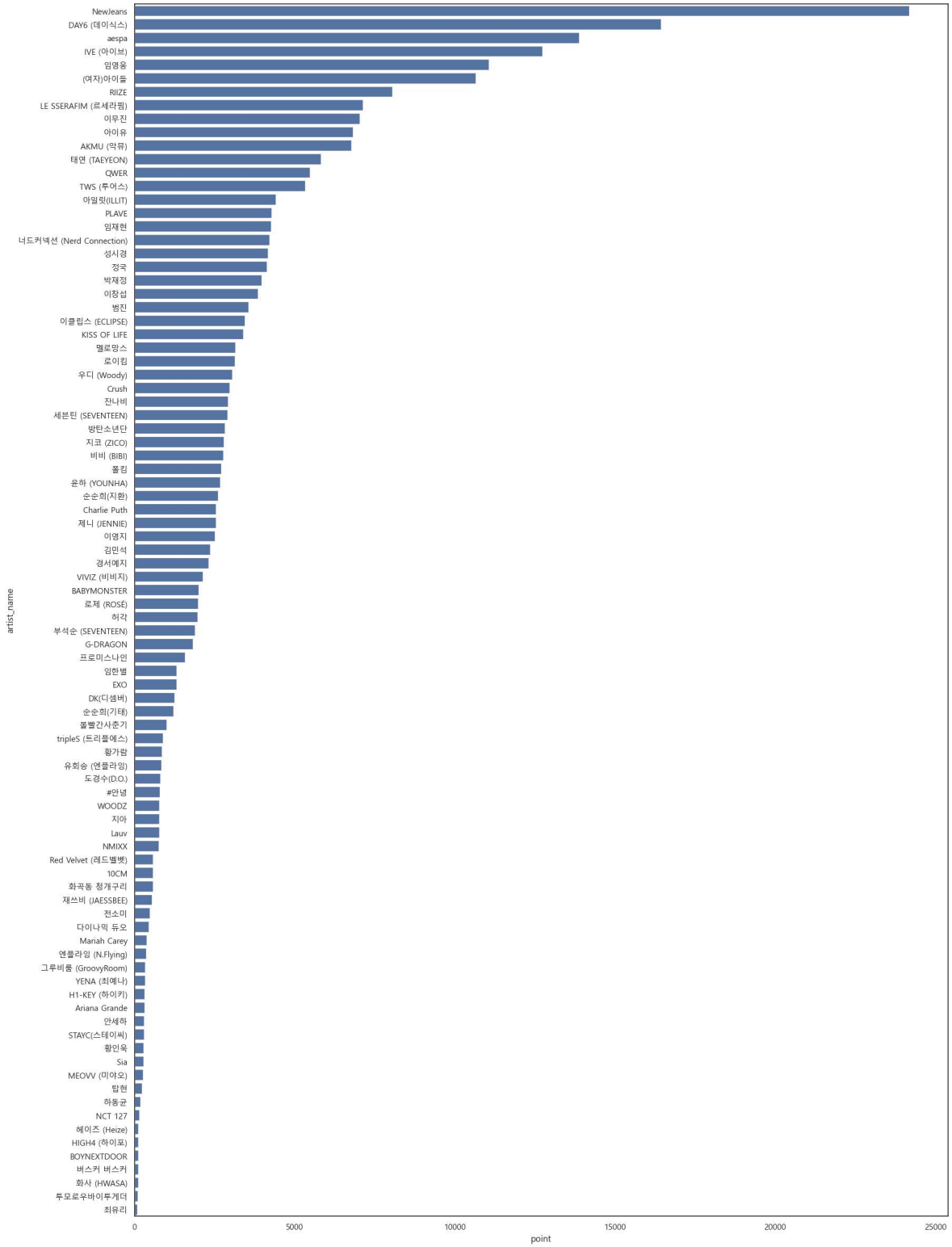
Out[9]:

	artist_id	artist_name	point	song_title	songs
0	3114174	NewJeans	24181	11	['Super Shy', 'Bubble Gum', 'Hype Boy', 'Ditto...
1	894864	DAY6 (데이식스)	16446	13	['그녀가 웃었다', 'Congratulations', '녹아내려요', '한 페이지...
2	2899555	aespa	13889	7	['Spicy', 'UP (KARINA Solo)', 'Supernova', 'Ar...
3	3055146	IVE (아이브)	12736	9	['After LIKE', 'Kitsch', 'LOVE DIVE', 'Baddie'...
4	994944	임영웅	11058	15	['온기', '인생찬가', 'Do or Die', '무지개', '우리들의 블루스',...
...	...	...	...	...	...
109	860988	Alessia Cara	8	1	['Make It To Christmas']
110	5973	조장혁	6	1	['면도']
111	3480275	허용별 (허각, 신용재, 임한별)	5	1	['고민중독 (Ballad Ver.)']
112	647971	비투비	2	1	['그리워하다']
113	103599	WHAM!	1	1	['Last Christmas']

114 rows × 5 columns

In [10]:
```
from matplotlib import pyplot as plt
fig, ax = plt.subplots(figsize=(20, 30))
sns.barplot(data=df_2024.head(90), x='point', y='artist_name')
```

Out[10]:
```
<Axes: xlabel='point', ylabel='artist_name'>
```


NewJeans
DAY6 (데이식스)
aespa
IVE (아이브)
임영웅
(여자)아이들
RIIZE
LE SSERAFIM (르세라핌)
이무진
아이유
AKMU (악뮤)
태연 (TAEYEON)
QWER
TWS (투어스)
아일릿(ILLIT)
PLAVE
임재현
너드커넥션 (Nerd Connection)
성시경
정국
박재정
이창섭
범진
이클립스 (ECLIPSE)
KISS OF LIFE
멜로망스
로이킴
우디 (Woody)
Crush
잔나비
세븐틴 (SEVENTEEN)
방탄소년단
지코 (ZICO)
비비 (BIBI)
폴킴
윤하 (YOUNHA)
순순희(지환)
Charlie Puth
제니 (JENNIE)
이영지
김민석
경서예지
VIVIZ (비비지)
BABYMONSTER
로제 (ROSÉ)
허각
부석순 (SEVENTEEN)
G-DRAGON
프로미스나인
임한별
EXO
DK(디셈버)
순순희(기태)
폴빨간사춘기
tripleS (트리플에스)
황가람
유회승 (엔플라잉)
도경수(D.O.)
#안녕
WOODZ
지아
Lauv
NMIXX
Red Velvet (레드벨벳)
10CM
화곡동 청개구리
재쓰비 (JAESSBEE)
전소미
다이나믹 듀오
Mariah Carey
엔플라잉 (N.Flying)
그루비룸 (GroovyRoom)
YENA (최예나)
H1-KEY (하이키)
Ariana Grande
안세하
STAYC(스테이씨)
황인욱
Sia
MEOVV (미야오)
탑현
하동균
NCT 127
헤이즈 (Heize)
HIGH4 (하이포)
BOYNEXTDOOR
버스커 버스커
화사 (HWASA)
투모로우바이투게더
최유리
artist_name
0
5000
10000
15000
20000
25000
point

In [ ]: