Spotify Song Search using Spotipy

This script allows users to search for songs on Spotify using the Spotipy library, which is a lightweight Python library for the Spotify Web API.  
  
Step-by-step Description:

## 1. Import Required Libraries

import spotipy  
from spotipy.oauth2 import SpotifyClientCredentials

## 2. Spotify Developer Credentials

# Replace these with your own credentials  
CLIENT\_ID = "b2438d81452d42628fe9a5df2d56b663"  
CLIENT\_SECRET = "005c1b8afa154e0aa684d9da3596b6ac"

## 3. Authenticate Using SpotifyClientCredentials

auth\_manager = SpotifyClientCredentials(client\_id=CLIENT\_ID, client\_secret=CLIENT\_SECRET)  
sp = spotipy.Spotify(auth\_manager=auth\_manager)

## 4. Define a Function to Search for Songs

def search\_song(query):  
 results = sp.search(q=query, limit=5, type='track')  
 tracks = results['tracks']['items']  
  
 if not tracks:  
 print("❌ No results found.")  
 return  
  
 print("\n🎧 Top Results:")  
 for i, track in enumerate(tracks):  
 name = track['name']  
 artist = track['artists'][0]['name']  
 album = track['album']['name']  
 url = track['external\_urls']['spotify']  
 print(f"{i+1}. {name} by {artist} | Album: {album}\n 🔗 {url}")

## 5. Get User Input and Call the Function

# Example usage  
query = input("🎵 Enter a song or artist name to search on Spotify: ")  
search\_song(query)