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DSP EXERCISE 2
class SongNode:
  def init (self, title):
     self.title = title
     self.next = None
class Playlist:
  def __init__(self):
     self.head = None
  def insert_song(self, title):
     new_song = SongNode(title)
     if not self.head:
        self.head = new song
     else:
        current = self.head
        while <u>current.next</u>:
          current = <u>current.next</u>
        current.next = new_song
     print(f'Song "{title}" added.')
  def delete_song(self, title):
     current = self.head
     prev = None
     while current:
        if current.title == title:
          if prev:
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<u>prev.next</u> = <u>current.next</u>
            else:
               self.head = <a href="mailto:current.next">current.next</a>
            print(f'Song "{title}" deleted.')
            return
         prev = current
         current = <u>current.next</u>
      print(f'Song "{title}" not found.')
  def display_playlist(self):
      if not self.head:
         print("Playlist is empty.")
         return
      print("Playlist:")
      current = self.head
      count = 1
      while current:
         print(f"{count}. {current.title}")
         current = current.next
         count += 1
def main():
   playlist = Playlist()
  while True:
      print("\nMenu:")
      print("1. Add song")
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print("2. Delete song")
     print("3. Display playlist")
     print("4. Exit")
     choice = input("Enter your choice (1-4): ")
     if choice == '1':
        song title = input("Enter song title to add: ")
        playlist.insert_song(song_title)
     elif choice == '2':
        song title = input("Enter song title to delete: ")
        playlist.delete_song(song_title)
     elif choice == '3':
        playlist.display playlist()
     elif choice == '4':
        print("Exiting program.")
        break
     else:
        print("Invalid choice, try again.")
if __name__ == "__main__":
  main()
```