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class Node:

def \_\_init\_\_(self,data):

self.data=data

self.next=None

class singlylinkedlist:

def \_\_init\_\_(self):

self.head=None

def insert\_at\_beginning(self,data):

new\_node=Node(data)

new\_node.next=self.head

self.head=new\_node

def insert\_at\_end(self,data):

new\_node=Node(data)

if self.head is None:

self.head=new\_node

return

temp=self.head

while temp.next:

temp=temp.next

temp.next=new\_node

def insert\_after(self,prev\_value,data):

temp=self.head

while temp:

if temp.data==prev\_value:

new\_node=Node(data)

new\_node.next=temp.next

temp.next=new\_node

return

temp=temp.next

print(f"song'{prev\_value}'not found in playlist")

def delete\_song(self,data):

temp=self.head

prev=None

while temp and temp.data!=key:

prev=temp

temp=temp.next

if temp is None:

print(f"song'{key}' not found.")

return

if prev is None:

self.head=temp.next

else:

prev.next=temp.next

print(f"Delected song:{key}")

def find\_song(self,key):

temp=self.head

while temp:

if temp.data==key:

print(f"song '{key}'found in playlist.")

return True

temp=temp.next

print(f"song'{key}' not found.")

return False

def display\_playlist(self):

if self.head is None:

print("playlist is empty.")

return

temp=self.head

print("current playlist:")

while temp:

print(f"->{temp.data}")

temp=temp.next

playlist=singlylinkedlist()

while True:

print("\n Music playlist menu...")

print("1. insert the song at begining")

print("2. insert the sont at end ")

print("3.insert song at after")

print("4. delete a song")

print("5. find the song")

print("6. display playlist")

print("7.exit")

choice=input("Enter your choice(1-7):")

if choice=='1':

song=input("Enter your song name to beginning:")

playlist.insert\_at\_beginning(song)

elif choice=="2":

song=input("Enter your song name to inser at end:")

playlist.insert\_at\_end(song)

elif choice=='3':

prev\_song=input("Enter the song after which to insert:")

new\_song=input("Enter the new song name:")

playlist.insert\_after(prev\_song,new\_song)

elif choice=='4':

song=input("Enter your song name to delete:")

playlist.delete\_song(song)

elif choice=='5':

song=input("Enter your song name to search:")

playlist.find\_song(song)

elif choice=='6':

playlist.display\_playlist()

elif choice=='7':

print("Exiting playlist manager.")

break

else:

print("invaild choice.please enter between 1 and 7.")