#1、拿到网易云资源地址 url  
 #步骤一：F12 开发者工具  
 #步骤二：找到正确的资源包  
 #步骤三：复制标头的请求url  
# url = 'https://music.163.com/playlist?id=3001035934'  
path = 'https://music.163.com/playlist?id='  
ID = input("请输入歌单id:")  
URL = path + ID  
#2、伪装请求头--》应对反爬策略（安检-》验证身份） UA伪装  
heads = {'user-agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0 Safari/537.36'}  
#3、伪装浏览器去骗取网易云服务器的数据，  
response = requests.get(url=URL**,**headers=heads)  
# 得到网页源码数据  
html = response.text  
#4、解析网易云服务器获取的数据  
# HTML在线格式化工具网址 http://www.wetools.com/html-formatter  
musicList = re.findall(r'<li><a href="/song\?id=(\d+)">(.\*?)</a></li>'**,**html)  
print(musicList)  
for musci\_id **,**music\_name in musicList:  
 print(musci\_id **,**music\_name**,**"正在下载！")  
 # 5、根据歌曲id获取歌曲数据  
 music\_url = f'http://music.163.com/song/media/outer/url?id={musci\_id}.mp3'  
 music = requests.get(url=music\_url**,**headers=heads).content  
 # 6、将拿到的歌曲（二进制）数据写入电脑，并保存为MP3文件  
 with open("D:\PythonWork\VIP备课\Day14\HHHHHHHHH\\"+music\_name+".mp3"**,**"wb")as f:  
 f.write(music)  
print("歌曲下载成功！")  
  
# 解析网址 f'http://music.163.com/song/media/outer/url?id={歌曲id}.mp3'