# Import the BeautifulSoup library for web scraping and parsing HTML

from bs4 import BeautifulSoup

# Import the pandas library for data manipulation and analysis

import pandas as pd

# Import the pyplot module of the matplotlib library for data visualization

import matplotlib.pyplot as plt

# Import the NumPy library for numerical computing with Python

import numpy as np

# Import the random module for generating random numbers

import random

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# URL of the web page to scrape

url = 'https://www.basketball-reference.com/leagues/NBA\_2023\_totals.html'

# Send an HTTP request to the URL

# Parse the HTML content of the page with BeautifulSoup

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# Find the HTML table containing the player stats and extract the rows

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# Initialize an array to store the total points for each age group

age\_groups\_players = np.zeros(50, dtype=int)

# Iterate over the rows in the table (skipping the header row)

# Check that the row has at least 29 columns

# Extract the player's age as an integer

# Extract the player's total points as an integer

# Add the player's points to the corresponding age group

# Print the total points for each age group

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# Create a bar graph of the total points for each age group

# Iterate over each bar in the chart

# Add labels and title to the graph

# Set the x-ticks

# Show the graph

# Print the age group that scores the highest average points