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import requests

import pandas as pd

import numpy as np

import json


from requests.auth import HTTPBasicAuth

response = requests.get('https://www.mysportsfeeds.com/api/feed/pull/nba/2016-2017-
regular/roster_players.json?fordate=20160918', auth=HTTPBasicAuth('dsager', 'Orange97'))

# Pulling information from API

roster = response.json()

roster_df = pd.DataFrame(roster['rosterplayers']['playerentry'])

# Establishing roster dataframe and infromation that will make uo that data frame

player_df = roster_df[['player']]

# Establishing player dataframe



roster['rosterplayers']['playerentry'][0]['player']



players = []


for pr in roster['rosterplayers']['playerentry'][0:]:


    pr['player']['team'] = pr['team']['Name']

    players.append(pr['player'])



df = pd.DataFrame( players , columns =
['FirstName','LastName','Position','JerseyNumber','Height','Weight','Age','BirthDate','team' ])
```

```
choice = ['team' , 'player' , 'position']

print('Do you want to view data on a specific player, team or position?')

choice = input("For player data, enter 'player'. For team data, enter 'team'. For position data, enter the position's abbreviation 'PG, SG, SF, PF, C: ' ")


if choice.strip().lower() == 'player':

    # Making choice lowercase, starting 'player' option

    player_choice_first = input("Enter the first name of the player: ")

    player_choice_last = input('Enter the last name of the player ')

    player_df = df[(df.FirstName == player_choice_first.title().strip()) & (df.LastName == player_choice_last.title().strip())]

    if len(player_df) == 0:

    #Writing exception if input doesn't exist

        print("NBA player's name not found, spelling may be incorrect.")

    team_df = player_df

    position_df = player_df

    #Setting everything to team_df so that is all that prints


elif choice.strip().lower() == 'team':

    team_choice = input('Enter an NBA team name: ')

    team_df = df[df.team == team_choice.title().strip()]

    if len(team_df) ==0:

        print("NBA team not found, spelling may b  e incorrect.")

     #Writing exception if input doesn't exist

    player_df = team_df

    position_df = team_df

    #Setting everything to team_df so that is all that prints
```

```
elif choice.strip().lower() == 'position':
    position_choice = input('Enter the position abbreviation you wish to see ')
    position_df = df[(df.Position == position_choice.upper().strip())]
    if len(position_df) ==0:
        print('You did not enter a proper NBA position abbreviation.')
     #Writing exception if input doesn't exist
    player_df = position_df
    team_df = position_df
    #Setting everything to position_df so that is all that prints


else:
    print("You did not enter a valid player, team or position.")


player_df
team_df
position_df
 #Printing ONLY the choice that the user chose
```