

Lab1_JakeDineen

July 13, 2018

0.1 Prompt

For the NBAfile.py program, for each line, create a string using string formatting that puts the team, attendance, and ticket prices into a formatted string. Each line should look something like:

'The attendance at Atlanta was 13993 and the ticket price was \$20.06'

Your program should then print these strings instead of the lines. Submit your code and the output of your program.

0.1.1 Reading in the Data

```
In [21]: #Work from asynch 2
import pandas as pd
import numpy as np
from time import sleep

nba = open('nba-attendance-1989.txt', 'r') #Read in data
count = 0 #prime counter

nba_list = []

for i in nba:
    count += 1
    textline = i.strip()
    items = textline.split()
    nba_list.append(items)
```

0.2 Lab One

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In [25]: #using regular loops
for city, attendance, price in nba_list:
    print('The attendance in {} was {} and the ticket price was ${}'.format(city, attendance, price))
    sleep(.1)
```

The attendance in Atlanta was 13993 and the ticket price was \$20.06
The attendance in Boston was 14916 and the ticket price was \$22.54
The attendance in Charlotte was 23901 and the ticket price was \$17
The attendance in Chicago was 18404 and the ticket price was \$21.98

The attendance in Cleveland was 16969 and the ticket price was \$19.63
The attendance in Dallas was 16868 and the ticket price was \$17.05
The attendance in Denver was 12668 and the ticket price was \$17.4
The attendance in Detroit was 21454 and the ticket price was \$24.42
The attendance in Golden_State was 15025 and the ticket price was \$17.04
The attendance in Houston was 15846 and the ticket price was \$17.56
The attendance in Indiana was 12885 and the ticket price was \$13.77
The attendance in LA_Clippers was 11869 and the ticket price was \$21.95
The attendance in LA_Lakers was 17378 and the ticket price was \$29.18
The attendance in Miami was 15008 and the ticket price was \$17.6
The attendance in Milwaukee was 16088 and the ticket price was \$14.08
The attendance in Minnesota was 26160 and the ticket price was \$10.92
The attendance in New_Jersey was 12160 and the ticket price was \$13.31
The attendance in New_York was 17815 and the ticket price was \$22.7
The attendance in Orlando was 15606 and the ticket price was \$20.47
The attendance in Philadelphia was 14017 and the ticket price was \$19.04
The attendance in Phoenix was 14114 and the ticket price was \$16.59
The attendance in Portland was 12884 and the ticket price was \$22.19
The attendance in Sacramento was 17014 and the ticket price was \$16.96
The attendance in San_Antonio was 14722 and the ticket price was \$16.79
The attendance in Seattle was 12244 and the ticket price was \$18.11
The attendance in Utah was 12616 and the ticket price was \$18.41
The attendance in Washington was 11565 and the ticket price was \$14.55