## **Programming task description**

## Goal

Write a program that'll take one command-line argument, and print out a list of values.

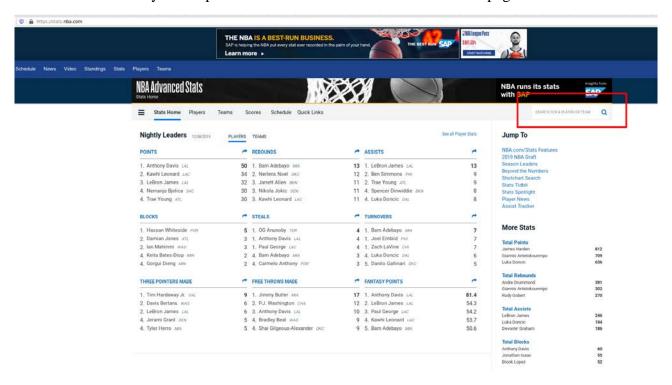
The argument should be the name of a NBA player (example "Luka Doncic")

The program should then print the 3-pointers average the player managed for each season data is available for, during the regular season, per 40 minutes.

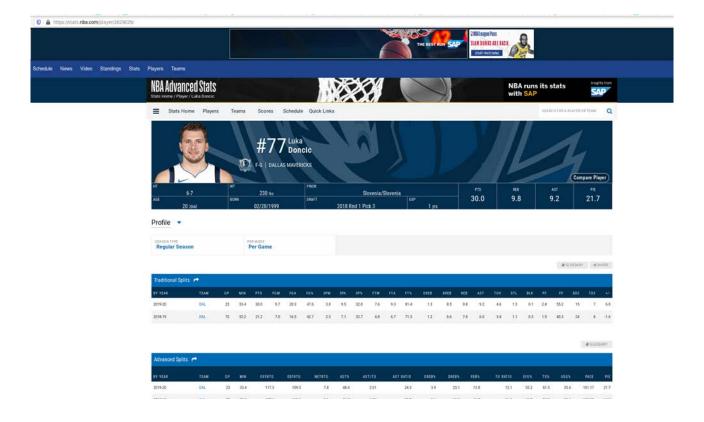
## **Specifications**

The program should perform a web scraping task: extract the information from a website. In this case, <a href="https://stats.nba.com">https://stats.nba.com</a>

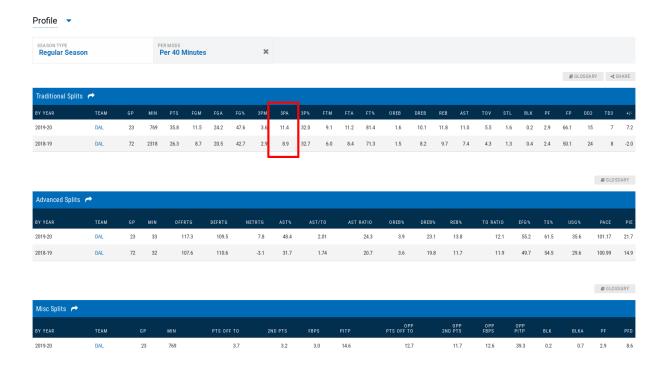
First the program needs to fetch the per-player page. It takes the name of the player from the command-line. Then you can perform a search on the stats.nba.com homepage:



You then get the page for that player:



And then we're interested in the 3-pointers average traditional split:



Which means that for the parameter "Luka Doncic" and the current data, the program would display:

2019-20 11.4

2018-19 8.9

For other players it could display many more seasons.

## **Implementation**

Since we are hiring for a Java developer, we would suggest you use Java for the task. We also very much encourage you to use the latest incarnation (13 at time of writing) and a modern approach to Java that (streams, lambdas, async features, ... - these are just examples, not things you must use). You can pick any library or tool you prefer, the only condition being that you should write source code, not using a GUI tool.

And since we also put a lot of emphasis on testing any automated tests (JUnit or any other testing framework) any tests that you can include are very welcome. The web scarping task in this assignment is not really well suited to automated testing (involves third party sites) so this is not mandatory but again very welcome.

The program should be a command line application build with maven or gradle and posted to github with a short readme.