# SPORTS ANALYZER

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#### **ABSTRACT**

Statistics play an important role in any field to analyze, improvise the performance of any organization to provide optimum results to ensure constant growth. Sports being a performance based and strategical field also requires constant monitoring and analysis of the team.

Sports analyzer provides a deep insight to the user in analyzing, monitoring and displays all the possible short-comings of a particular player, thus providing optimum results.

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#### INTRODUCTION

Sports Analyzer provides a multi-dimensional way to analyze, view and process the performance data as per the need of the user. This program works in multiple sports categories including: Football, Basketball, Cricket. It uses real-time match stats to analyze the data and using its sorting algorithms it processes it into various sub categories where a user can view top stats as per need.

The current program uses latest stats from different leagues which are:

- 1. Euro 2020 (Football)
- 2. NBA 2020 (Basketball)
- 3.IPL 2020 (Cricket)

Using various principles of Object-Oriented programming the data has been divided into various classes and sub classes which not only makes it easy to maintain but also reduces chances of errors in arranging the data.

# **AIM OF THE PROJECT**

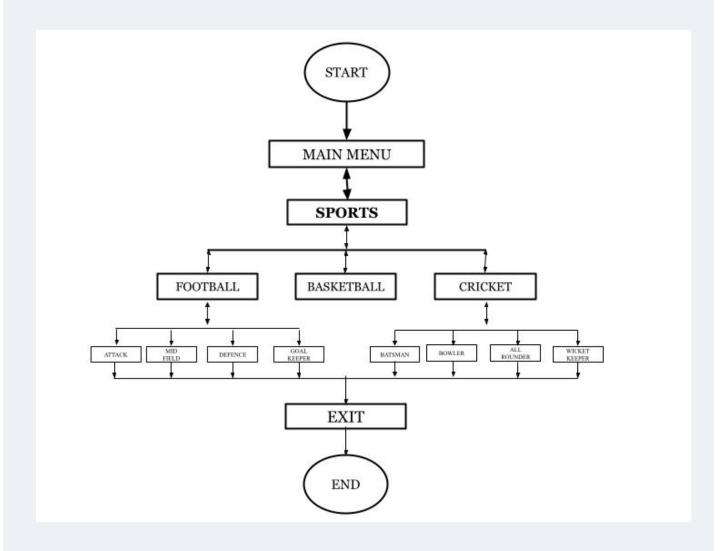
This project is aimed to provide a tool for free and easy statistical analysis and gathering data related to different sports and sportspersons. The purpose of this project entitled as "SPORTS ANALYZER" is to computerize all the analytical activities by developing various algorithms using different data structures and classes.

## **COMPILER SPECIFICATION**

The software is been designed using Visual Studio Code in windows operating system with MinGW-w64 compiler which provides up-to-date native builds of GNU Compiler Collection (GCC). It has to be used on the specific system.

# **PROJECT DESIGN**

#### > FLOW CHART

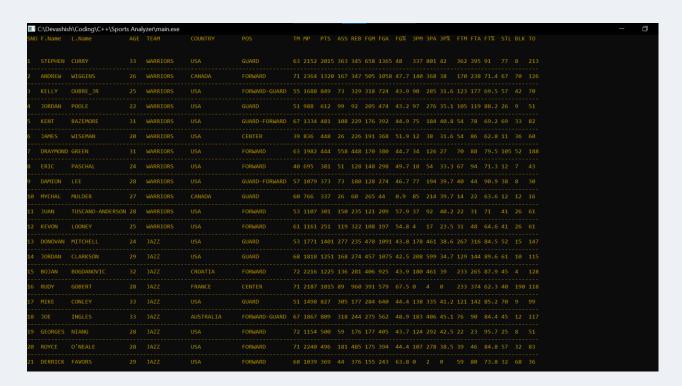


#### **RESULTS**

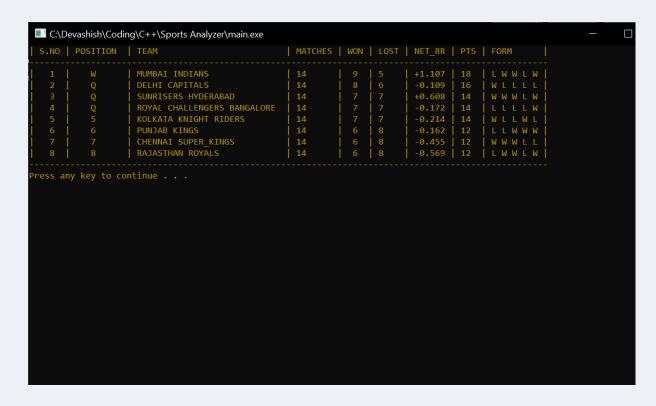
#### 1. MAIN MENU

#### 2. SAMPLE INTERFACE

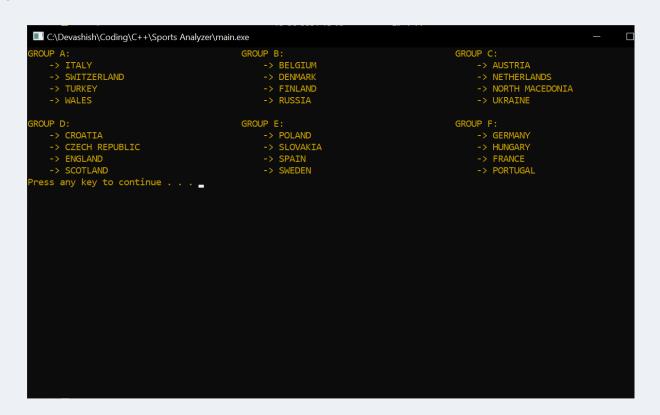
#### 3. SAMPLE STAT VIEW



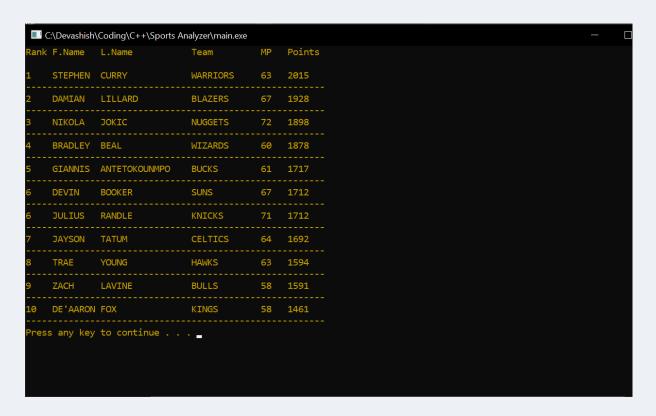
#### 4. TEAM STANDINGS



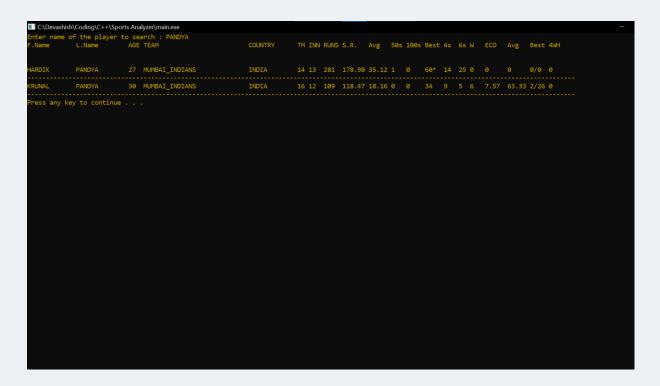
#### 5. VIEW TEAMS



#### 6. LEAUGE LEADER



# 7. PLAYER SEARCH



# CONCLUSION

The result obtained is a program of complete package which analyzes and also displays the statistics of different players in different field of sports.

## **REFRENCES**

- www.stackoverflow.com
- > www.geeksforgeeks.com
- www.cplusplus.org
- ➤ Object-Oriented Programming in C++ by E Balagurusamy

# **DATA SOURCE**

- > www.uefa.com
- > www.nba.com
- > www.iplt2o.com

# **THANK YOU!!!**