Player Database for ICC Men's Cricket World Cup 2023

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Description

Key Features

- Console-based Application
- Takes Data from both Local Files (.csv/.txt) & Console Applications
- Manipulates Data on the Player Database
- Initiates Ordered Based Information (ASC. Order)
- Generates Report on Manipulated Data

Main Menu

Key Operations

- Show Cricketer List (Whole Database, Individual)
- Search Cricketer Information (Single Entities, Multiple Entities)
- Add Cricketer Information (Create New Player, Add to Front/End/Any Position)
- Update Cricketer Information (Modify Existing, Update File with Modified Data)
- Delete Cricketer Information (Single Entities, Multiple Entities)
- Review Report Data
- Exit from Program

Show Information

Key Features

- Traversal of the whole LinkedList
- Displaying whole database of the players
- Displaying individual player information
- Displaying 15 instances in Each Class

Search Information

Key Features

- Search Single or Multiple Entities
- Single Entities - ID, Name, etc.
- Multiple Entities - Country, Match Played, Run Scored, Batting Avg, Wickets Taken etc.

Add Information

Key Features

- Crating a New Player (with unique ID)
- Add New Player Information at the Top of the Database
- Add New Player Information at The End of the Database
- Add New Player Information at Any Position
- Added data Saved on File

Update Information

Key Features

- Modify Console Prefered Existing Information
- Modify Single Entry
- Modify Multiple Entry
- Modified Data Saved on File

Delete Information

Key Features

- Delete Single or Multiple Entities
- Single Entities - ID, Name etc.
- Multiple Entities - Country, Match Played, Run Scored, Batting Avg, Wickets Taken etc.
- Deleted Information Report
- Modification Updated to the File

Sort Information

Key Features

- Sort Cricketer List (Existing Players)
- Manipulation using ID, Country, Match Played, Runs Scored, Wickets Taken, Strike Rate etc.

Conclusion

- **Importance of Linked List for for manipulate Database**
- **View and Access Information More Widely**
- **Handling Information by Adding, Updating, and Removing**
- **Manipulating Files with the Latest Information**