

Practice 11 (15-12-2021)

OOP Fall 2021

Download "**practice11.cpp & T20.txt**" and run code. If you are using "dev C++", run code & change the settings of output windows by doing following steps:

- Click upper left corner of output window
- Click properties
- Click tab Layout
- Set window size: set width & height 120 and 25
- Set window position: set left & top to 5

Now run program again, by uncommenting "list.showAll" function.

The heading details are:

MC: Match Count

IC: Innings Count (Number of times batting performed)

NO : Number of time player remain notout

RS: Total runs scored by player in all matchces

HS: Highest Score

AVE: Average score

BF: Balls Faced

SR: Strike Rate (total runs divided by balls faced)

Create and run following member functions in PlayersList class (you may require to add getters in Player class as well):

1. list.printPlayerHavingHighestRuns()
2. list.printPlayerHavingHighestStrikeRate()
3. list.printPlayerHavingHighest100s()
4. list.printPlayerHavingHighestNotouts()
5. Write swap function in Player class to swap two players and write at least two sorting functions in PlayerList class to sort list on two different categories like highest to lowest total runs, highest to lowest average etc.