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# System Requirements Specification Index

For

Python with Pandas  
Numpy IPL match  
EDA

Version 1.0

Problem Statement : Exploratory Data analysis for IPL matches .

Description : Use relevant methods of to perform specified activities which are given in the instructions.

The Template contains the following folder structure.

```
lpl_numpy_pandas_match_analysis |  
    |--ipl_analysis_ex.py  
    |--deliveries.csv  
    |--test (contains unit test case files for the solution)
```

### **lpl\_analysis\_ex.py:**

Implement all the methods as specified in the following instructions.

1. Who is the top batsmen in terms of hitting the most sixes?
2. Which bowler has bowled the highest number of deliveries?
3. What is the least common dismissal types in cricket?
4. How many no balls were bowled in total?
5. How many runs has MS Dhoni scored?
6. How many dot balls were bowled by DW Steyn?
7. How many extras did Z Khan concede?
8. What is the total number of leg bye runs scored?
9. How many catches were taken by DA Warner?
10. How many LBW dismissals were caused by Kuldeep Yadav?
11. How many matches had a super over?

### **Execution Steps to Follow:**

1. All actions like build, compile, running application, running test cases will be through Command Terminal.
2. To open the command terminal the test takers, need to go to Application menu (Three horizontal lines at left top) -> Terminal -> New Terminal
3. This editor Auto Saves the code
4. If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.
5. These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.
6. To setup environment:  
You need to install pandas and numpy packages

Pip install pandas

Pip install numpy

7. To launch application:

```
python3 ipl_analysis_ex.py
```

8. To run Test cases:

```
python3 -m unittest
```

9. Before Final Submission also, you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository for code quality analysis graph.

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