PYTHON PROJECT

Project Description

This project demonstrates the use of Python data structures such as dictionaries and lists to represent cricket player statistics across multiple teams and formats (Test, ODI, T20). It was created as part of a learning assignment to understand appropriate data types and naming conventions in Python.

CODE:-

```
File  Edit  Shell  Debug  Options  Window  Help
Python 3.6.2 (v3.6.2:5fd33b5, Jul  8 2017, 04:57:36) [MSC v.1900
 on win32
Type "copyright", "credits" or "license()" for more information.
>>> Player ={
        "Name":"Virat kohli",
        "Age":35,
        "Country":"India",
        "Role":"Cricter",
        "Teams":["India","Royal challenger Bangalore"],
        "Formats":["Test","ODI","T20"],
        "Totalmatches":100,
        "RUN":2600,
        "runs_by_format":{
                "Test":90,
                "T20":6000,
                "ODI":8000
                }
        }
>>>
```

CRICKET PLAYER DATA STRUCTURE TABLE

Data Field	Identifier	Data Type	Example	Reason for Using This Data Type
Player Name	**name**	String	Virat Kohli	Names contain text characters
Age	**age**	Integer	35	Age is a whole number
Country	**country**	String	India	Country names are text
Playing Role	**role**	String	Cricketer	Role is descriptive text
Teams Played	**teams**	List	["India", "Royal Challengers Bangalore"]	A player can play for multiple teams
Formats Played	**formats**	List	["Test", "ODI", "T20"]	Player may play more than one format
Total Matches	**total_matches**	Integer	100	Matches are counted as whole numbers
Total Runs	**total_runs**	Integer	2600	Runs are whole numbers
Runs by Format	**runs_by_format**	Dictionary	{"Test": 90, "ODI": 8000, "T20": 6000}	Stores runs grouped by format