

INTERNSHIP REPORT
ON
PYTHON COMPITATIVE CODEING

A internship Report is submitted
In accordance with requirement of degree of

BACHELOR OF TECHNOLOGY
IN
ELECTRICAL AND ELECTRONICS ENGINEERING

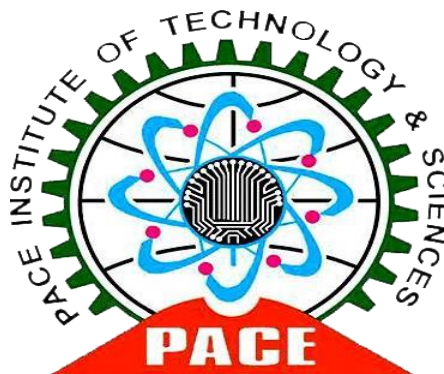
Submitted by

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Under the Mentorship of

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DEPARTMENT OF ELECTRICAL AND EL ECTRONICS
ENGINEERING

PACE INSTITUTE OF TECNOLOGY AND SCIENCES
(AUTONOMOUS)

(Affiliated to Jawaharlal Nehru Technological University Kakinada, Kakinada &

Accredited by NAAC 'A' GRADE, An ISO 9001-2015 Certified Institution)

NH-16, Valluru Post, Prakasam District, A.P-523272.

(2024-2025)

PROJECT TITLE

STUMPS STAT ANALYSIS

DATE: JUNE 11TH 2024

NAME: G.RAKESH REDDY

PROJECT DETAILS:

ABSTRACT: This project is about brief explanation and display about making a cricket score board. That will be update the score board for ball to ball, and update number of wickets.

Description: This project about cricket score analysis, we take the input of a set of over. we analysis the stat of players based on runs and wickets, and total score of the match.

Requirements:

Functional requirements

.over details: user can take input as number of overs

.ball to ball: user can collect ball to ball score data and store

.score of batter: user can calculate runs of each player.

.match details: user can calculate overall details of score and wickets.

Non-functional requirements:

Performance: The system can handle and performance the large number of matches scores.

Security: Data Integrity: Ensure that the data is accurate and has not been tampered with.

Usability: User Interface: The system should have an intuitive and user-friendly interface that caters to both novice and experienced users.

Approach:

1. Define Objectives: Determine the specific objectives of the stumps stat analysis, such as understanding player performance trends, predicting match outcomes, or providing strategic insights for teams.

2. Data Collection: Gather data from reliable sources such as match records, player statistics databases, ball-by-ball commentary, and official cricket boards.

3. Data Processing and Cleaning: Implement validation checks to ensure data accuracy and completeness. Remove duplicates, handle missing values, and correct inconsistencies.

4. Data Analysis: Compare players, teams, or matches based on various metrics to draw meaningful insights.

5. Descriptive Analytics: Use statistical methods to summarize and describe historical data. This includes calculating averages, medians, standard deviations, and other relevant metrics.

6. Improvement: stumps stat analysis can provide comprehensive and valuable insights into cricket performances, aiding players, teams, analysts, and fans in understanding and improving the game.

7.codeing:To parforme the to create score board of the circket analysis for that we can parforme a coding using python language.

Program or source code:

```
project.py - C:\rakesh\project.py (3.11.4)
File Edit Format Run Options Window Help
n=int(input())
s,c=0,0
k=1
s1,s2=0,1
p=[0]*11
for i in range(n):
    l=input("enter a over")
    a=list(input().split())
    for i in a:
        if i=='w':
            k+=1
            s1=k
        elif int(i)%2==0:
            p[s1]+=int(i)
        elif int(i)%2!=0:
            p[s2]+=int(i)

    for i in a:
        if i!='w':
            s+=int(i)
        else:
            c+=1
    print(s,c)

print("total score: {} for {} wicktes".format(s,c))

pn=['virat','rohith','rakesh','vamsi','dhoni','jaddu','hardik','gail','dube','bumra','shami']
d={}
for i in range(11):
    d[pn[i]]=p[i]
print(d)
```

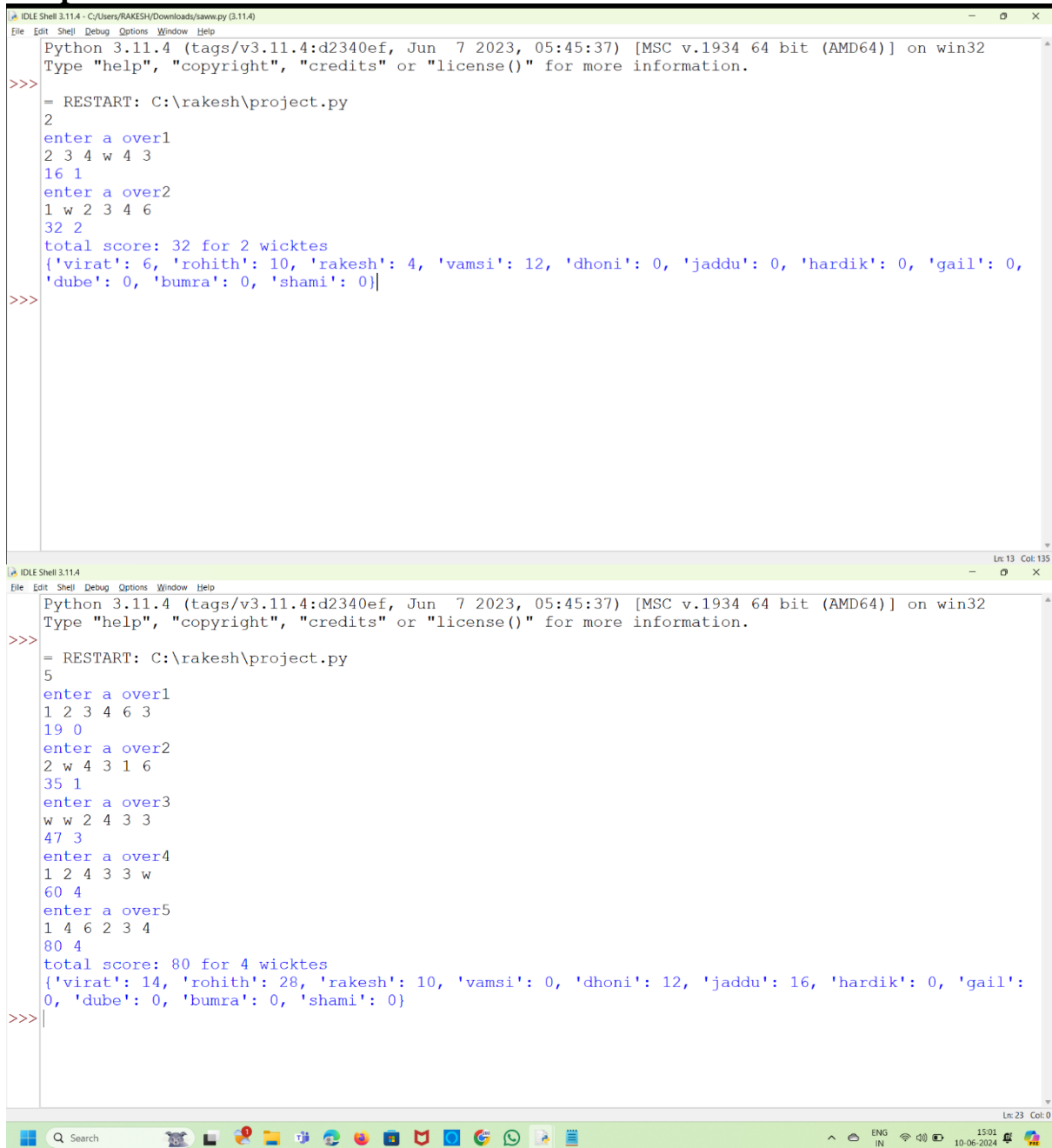
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File Edit Format Run Options Window Help
        if i=='w':
            k+=1
            s1=k
        elif int(i)%2==0:
            p[s1]+=int(i)
        elif int(i)%2!=0:
            p[s2]+=int(i)

    for i in a:
        if i!='w':
            s+=int(i)
        else:
            c+=1
    print(s,c)

print("total score: {} for {} wicktes".format(s,c))

pn=['virat','rohith','rakesh','vamsi','dhoni','jaddu','hardik','gail','dube','bumra','shami']
d={}
for i in range(11):
    d[pn[i]]=p[i]
print(d)
```

Output:



The image shows two screenshots of a Python IDLE Shell window. The top screenshot shows a program that calculates the total score for 2 wickets, and the bottom screenshot shows a program that calculates the total score for 4 wickets. Both programs use a dictionary to store the runs scored by each player.

```
Python 3.11.4 (tags/v3.11.4:d2340ef, Jun 7 2023, 05:45:37) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\rakesh\project.py
2
enter a over1
2 3 4 w 4 3
16 1
enter a over2
1 w 2 3 4 6
32 2
total score: 32 for 2 wickets
{'virat': 6, 'rohith': 10, 'rakesh': 4, 'vamsi': 12, 'dhoni': 0, 'jaddu': 0, 'hardik': 0, 'gail': 0,
'dube': 0, 'bumra': 0, 'shami': 0}
>>>
```

```
Python 3.11.4 (tags/v3.11.4:d2340ef, Jun 7 2023, 05:45:37) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\rakesh\project.py
5
enter a over1
1 2 3 4 6 3
19 0
enter a over2
2 w 4 3 1 6
35 1
enter a over3
w w 2 4 3 3
47 3
enter a over4
1 2 4 3 3 w
60 4
enter a over5
1 4 6 2 3 4
80 4
total score: 80 for 4 wickets
{'virat': 14, 'rohith': 28, 'rakesh': 10, 'vamsi': 0, 'dhoni': 12, 'jaddu': 16, 'hardik': 0, 'gail':
0, 'dube': 0, 'bumra': 0, 'shami': 0}
>>>
```

```
IDLE Shell 3.11.4
File Edit Shell Debug Options Window Help
Python 3.11.4 (tags/v3.11.4:d2340ef, Jun 7 2023, 05:45:37) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\rakesh\project.py
10
enter a over1
2 6 2 w 6 2
18 1
enter a over2
3 3 2 2 6 6
40 1
enter a over3
w w 2 4 1 6
53 3
enter a over4
2 3 4 3 6 1
72 3
enter a over5
1 1 1 0 w 0
75 4
enter a over6
0 0 2 4 6 0
87 4
enter a over7
0 0 w 1 1 1
90 5
enter a over8
2 3 w 1 1 1
98 6
```

```
IDLE Shell 3.11.4
File Edit Shell Debug Options Window Help
enter a over3
w w 2 4 1 6
53 3
enter a over4
2 3 4 3 6 1
72 3
enter a over5
1 1 1 0 w 0
75 4
enter a over6
0 0 2 4 6 0
87 4
enter a over7
0 0 w 1 1 1
90 5
enter a over8
2 3 w 1 1 1
98 6
enter a over9
1 1 1 0 0 0
101 6
enter a over10
6
107 6
total score: 107 for 6 wicktes
{'virat': 10, 'rohith': 29, 'rakesh': 24, 'vamsi': 0, 'dhoni': 24, 'jaddu': 12, 'hardik': 2, 'gail': 6, 'dube': 0, 'bumra': 0, 'shami': 0}
>>>
```

Explanation:

For this project of stumps stat analysis ,we can analysis the performance of all players and analysis the score or runs,and wickets.

1.user interaction:first user can anlysis the match in that score and wickets. Players names and individual scores,and analys the total score.

2.how to approach: for analys the stat of cricket ,we approach our faculty for their process,and they gavid us how to analys the statics of circket. In that gaudiiness we creat a source or code to make a score board of cricket of the match.

Conclusion:

The conclusion of this project of the stumps stat analysis is to analys the each score of the player.

Analys the total score of the match and total wickets.The main conclusion is to show the all this requirments on the score board.