

# BOOK CRICKET BASED PYTHON CODE

I have wrote the python code for the **Book Cricket** class and import function PANDAS

## Rules of book cricket:-

- Any number of player can play
- The score is depending on last unit page numbers  
Ex:- pg number is 534 then the score is 4
- Similarly the score adds up until 0 appears
- When the zero appears at the last unit it is consider as out

## CODE:-

```
#in the book cricket the pages number are scores in that ones unit
#ex:-101-->where 1 is consider as score similarly the last units will add up till the
last unit become 0
#if 0 arrive then it is out

import random
import pandas as pd

class book_cricket:
    def player_name(self):
        d = []
        w={}
        n = int(input("number of players:-"))
        for u in range(1, n+1):
            self.name= input("enter the player name:-")
            w.update({"players{}".format(u):self.name})
        print(w)
        h={"players":w.keys(),"names":w.values()}
        s= pd.DataFrame(h)
        print(s)
        x=list(w.values())
        print(x)
        return n,x
    def play(self,n,w):
        t=dict()
        k = int(input("number pages in book:- "))
        for i in range(1,n+1):
            s = 0
            d = 0
            print('{} is playing'.format(w[i-1]))
            while(i>0):
                f=random.randint(0,k)
                d=f%10
                if(d==0):
                    print("u r out ")
                    break
                else:
                    s=s+d
                    print(s)
                    #p=list(copy.copy(s))
            t.update({s:w[i-1]})
        print(t)
        return t,w
    def result(self,t):
        print(t)
```

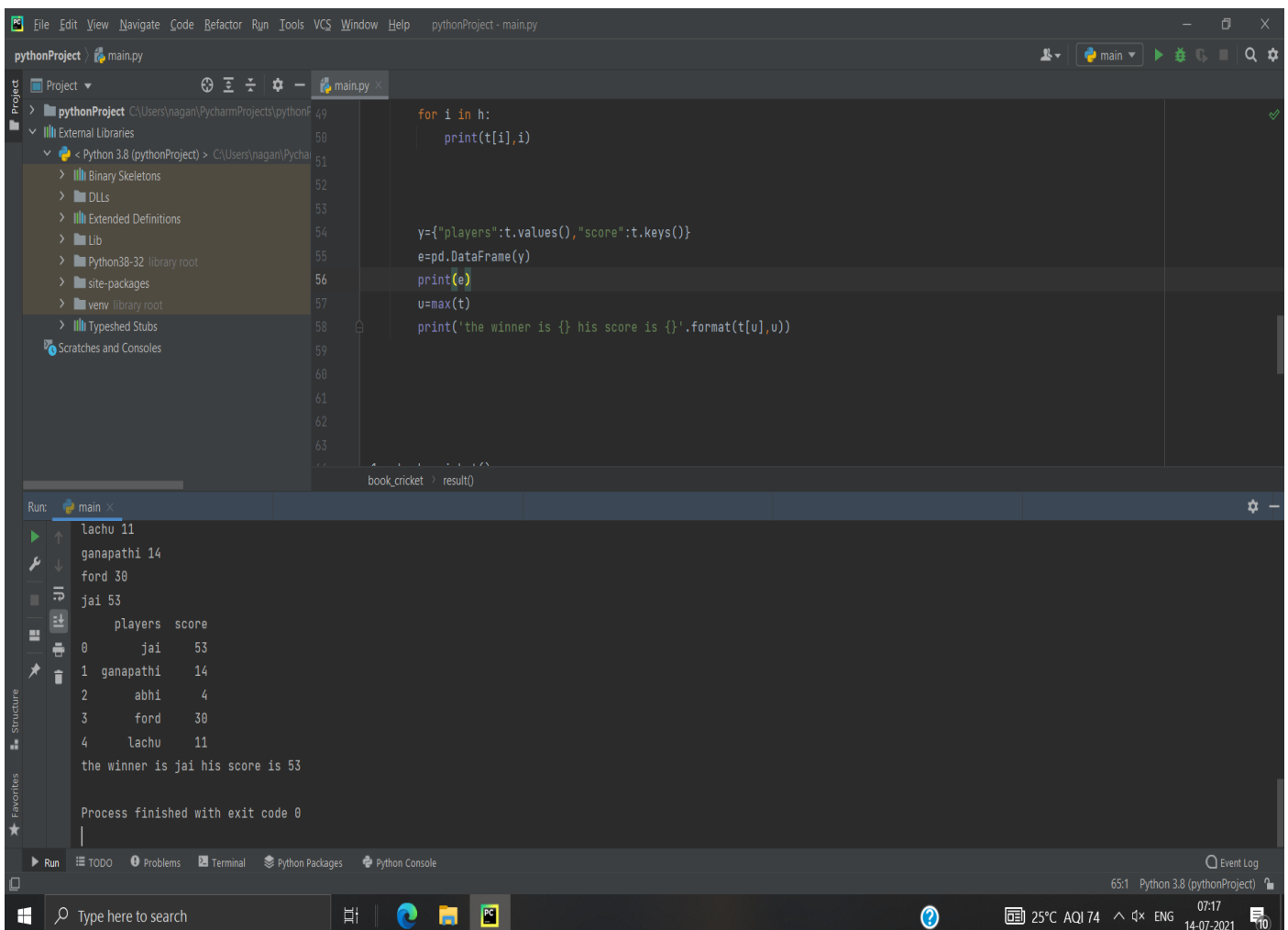
# BOOK CRICKET BASED PYTHON CODE

```
h=list(t.keys())
print(h)
h.sort()
for i in h:
    print(t[i],i)

y={"players":t.values(),"score":t.keys()}
e=pd.DataFrame(y)
print(e)
u=max(t)
print('the winner is {} his score is {}'.format(t[u],u))
```

```
c1 = book_cricket()
c2 = book_cricket()
c3= book_cricket()
(h,v)=c1.player_name()
(q,e)=c2.play(h,v)
(o)=c3.result(q)
```

## OUTPUT:-



The screenshot shows the PyCharm IDE with a Python project named 'pythonProject'. The code in 'main.py' is as follows:

```
49 for i in h:
50     print(t[i],i)
51
52
53
54 y={"players":t.values(),"score":t.keys()}
55 e=pd.DataFrame(y)
56 print(e)
57 u=max(t)
58 print('the winner is {} his score is {}'.format(t[u],u))
59
60
61
62
63
```

The output of the program is displayed in the Run console:

```
lachu 11
ganapathi 14
ford 30
jai 53
   players  score
0      jai     53
1  ganapathi    14
2      abhi      4
3      ford     30
4      lachu     11
the winner is jai his score is 53
Process finished with exit code 0
```

The bottom of the screenshot shows the Windows taskbar with the system clock at 07:17 on 14-07-2021.