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:-

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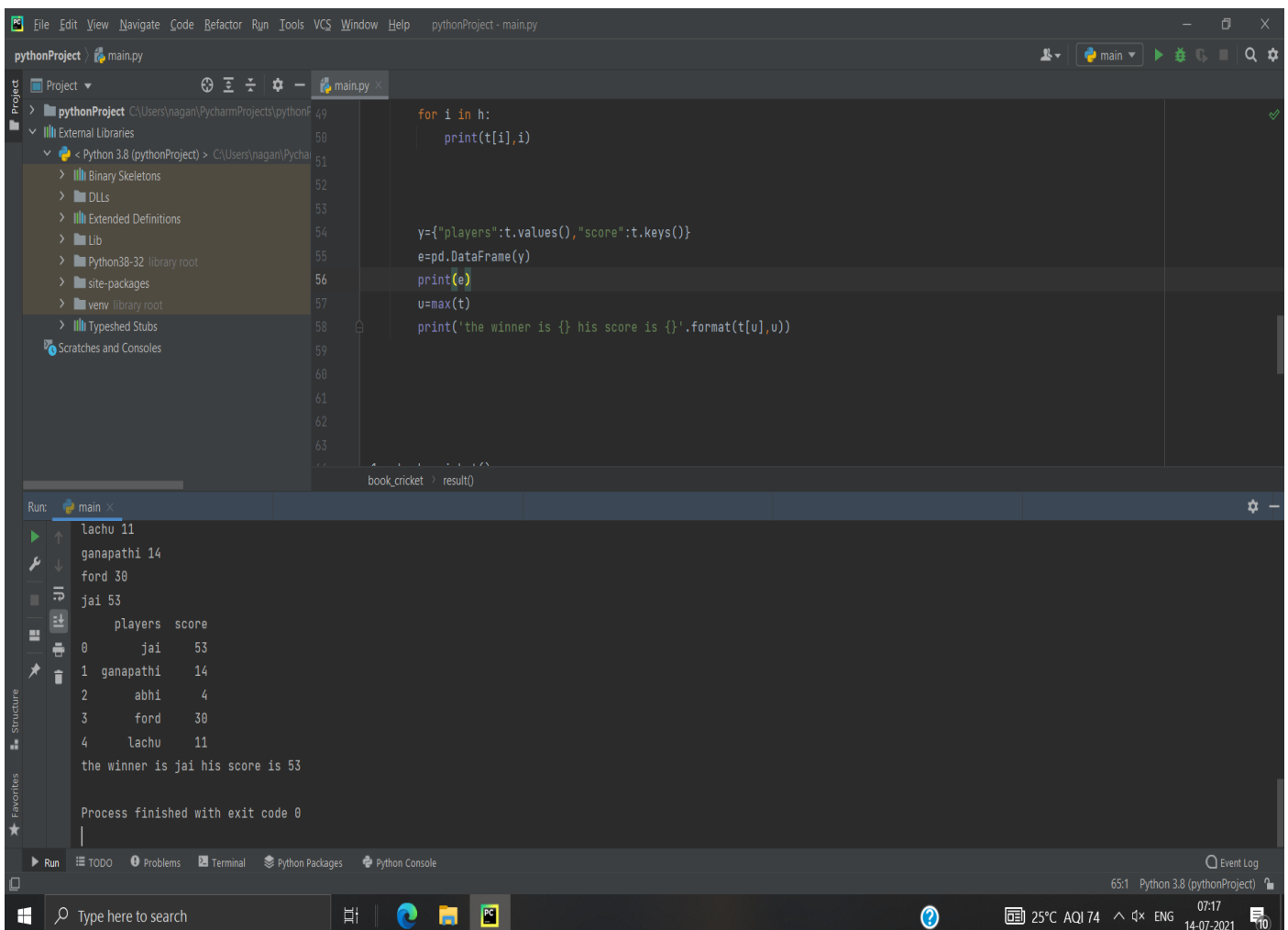
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```python
        h=list(t.keys())
        print(h)
        h.sort()
        for i in h:
            print(t[i],i)



        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:-