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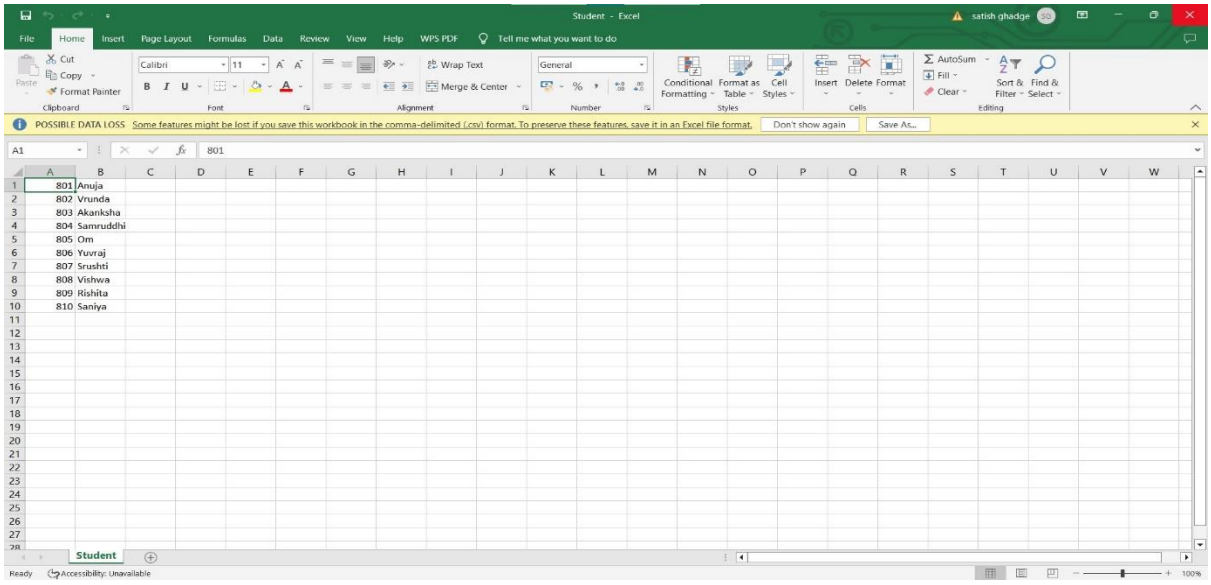
**Batch-H3**

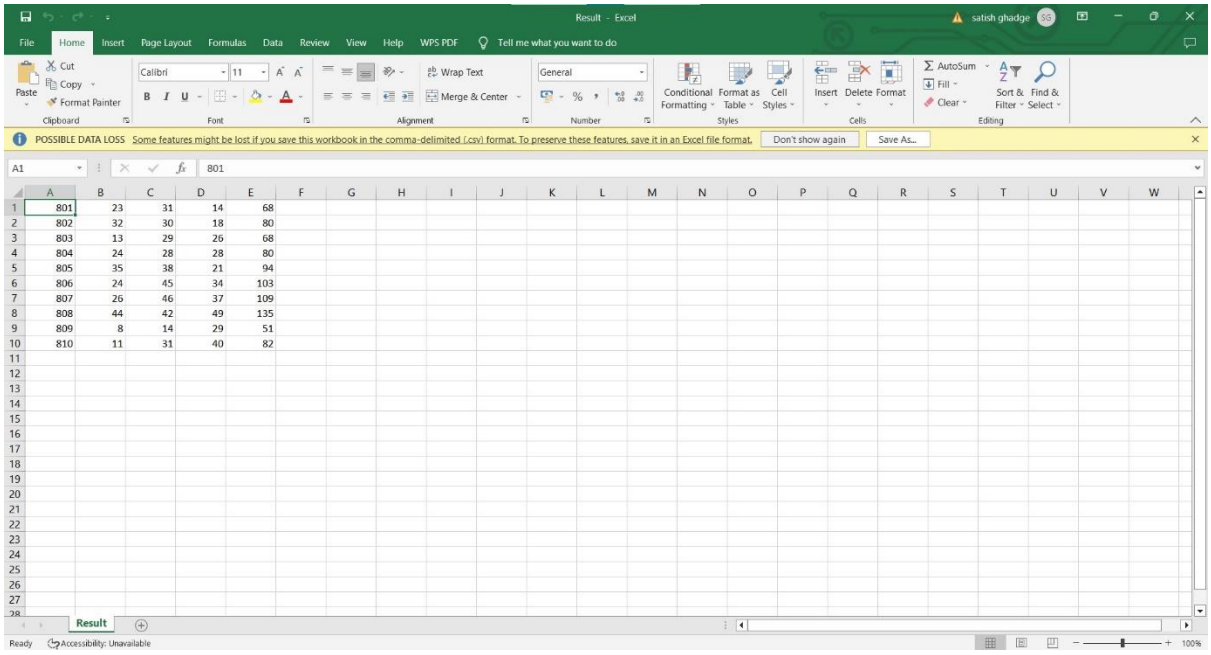
## Practical No 1:

**Take/Prepare any text files for any real-life application. For Ex. “Stud.txt”, “Placement.csv” and “Result. csv” files for result Analysis. Combine into “StudentDetails.csv”. Perform all statistical analysis (Average, Max, Min, Count, Sum, Percentage) on it.**

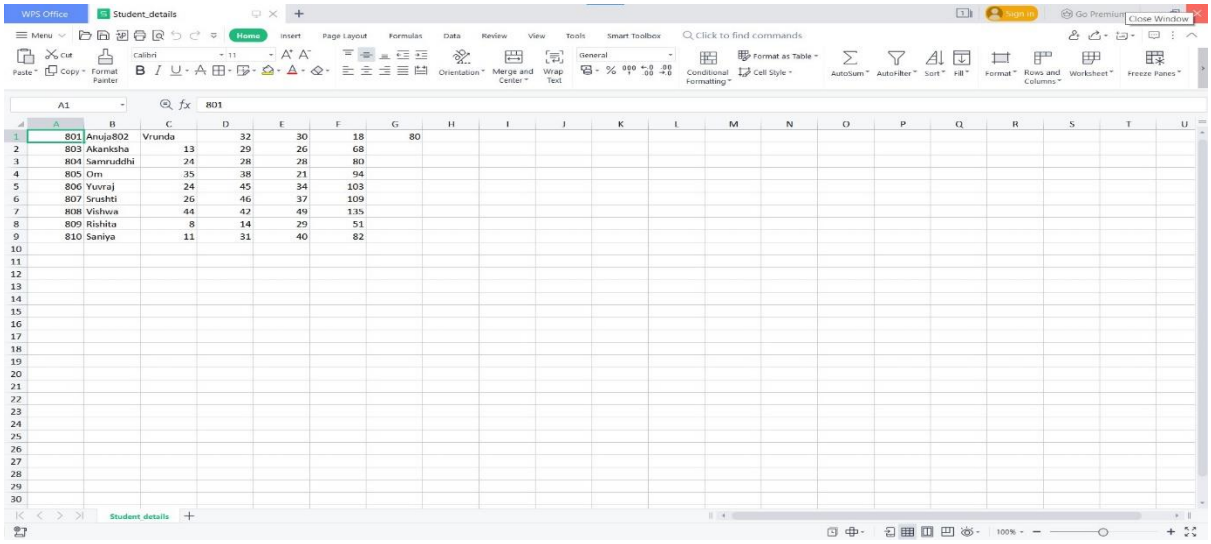
## Excel Sheet1:




## Excel Sheet 2:

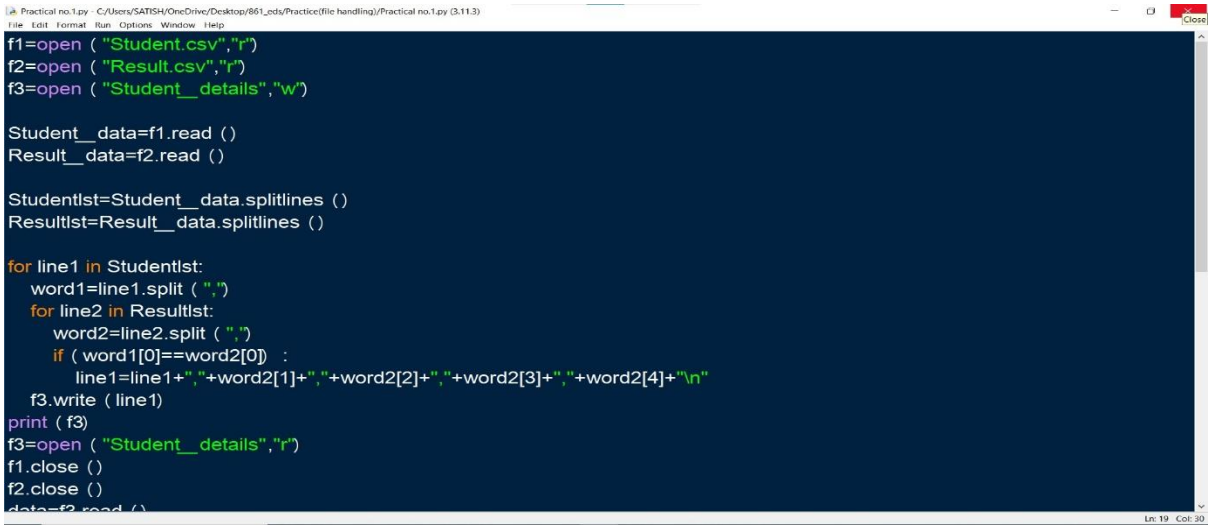


## The generated Excel Sheet:



| | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| 1 | 801 | Anuja802 | Vrunda | 32 | 30 | 18 | 80 |
| 2 | 803 | Akanksha | 13 | 29 | 26 | 68 | |
| 3 | 804 | Samruddhi | 24 | 28 | 28 | 80 | |
| 4 | 805 | Om | 35 | 38 | 21 | 94 | |
| 5 | 806 | Yuvraj | 24 | 45 | 34 | 103 | |
| 6 | 807 | Srushti | 26 | 46 | 37 | 109 | |
| 7 | 808 | Vishwa | 44 | 42 | 49 | 135 | |
| 8 | 809 | Rishita | 8 | 14 | 29 | 51 | |
| 9 | 810 | Saniya | 11 | 31 | 40 | 82 | |

## Code:

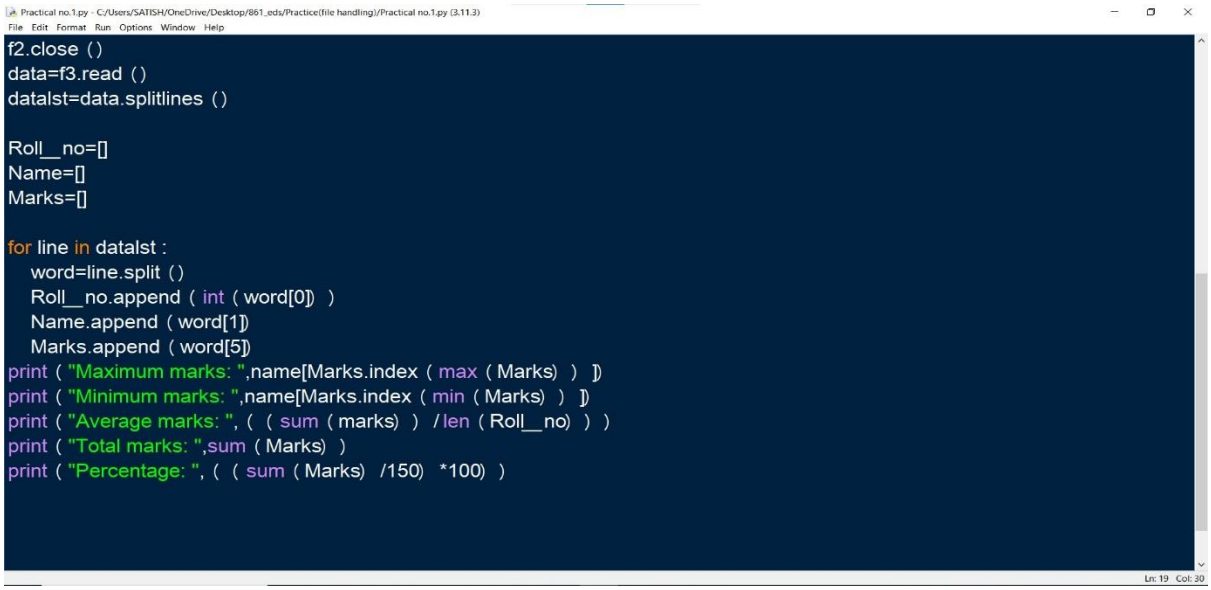


```
f1=open ( "Student.csv","r")
f2=open ( "Result.csv","r")
f3=open ( "Student__details","w")

Student__data=f1.read ()
Result__data=f2.read ()

Studentlst=Student__data.splitlines ()
Resultlst=Result__data.splitlines ()

for line1 in Studentlst:
    word1=line1.split ( ",")
    for line2 in Resultlst:
        word2=line2.split ( ",")
        if ( word1[0]==word2[0])  :
            line1=line1+","+word2[1]+","+word2[2]+","+word2[3]+","+word2[4]+"\n"
    f3.write ( line1)
print ( f3)
f3=open ( "Student__details","r")
f1.close ()
f2.close ()
```



```
f2.close ()
data=f3.read ()
datalst=data.splitlines ()

Roll__no=[]
Name=[]
Marks=[]

for line in datalst :
    word=line.split ()
    Roll__no.append ( int ( word[0])  )
    Name.append ( word[1])
    Marks.append ( word[5])
print ( "Maximum marks: ",name[Marks.index ( max ( Marks)  )  ])
print ( "Minimum marks: ",name[Marks.index ( min ( Marks)  )  ])
print ( "Average marks: ", (  ( sum ( marks)  )  / len ( Roll__no)  )  )
print ( "Total marks: ",sum ( Marks)  )
print ( "Percentage: ", (  ( sum ( Marks)  /150)  *100)  )
```