

**Name-Srushti Satish Ghadge**

**Roll no-861**

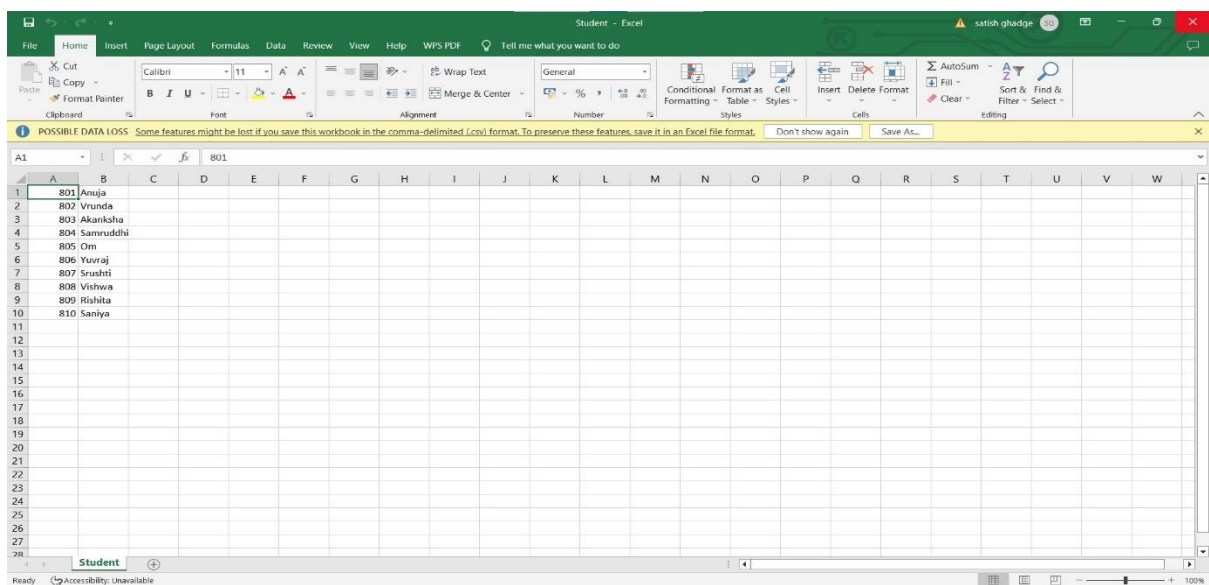
**PRN-202201090125**

**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.**

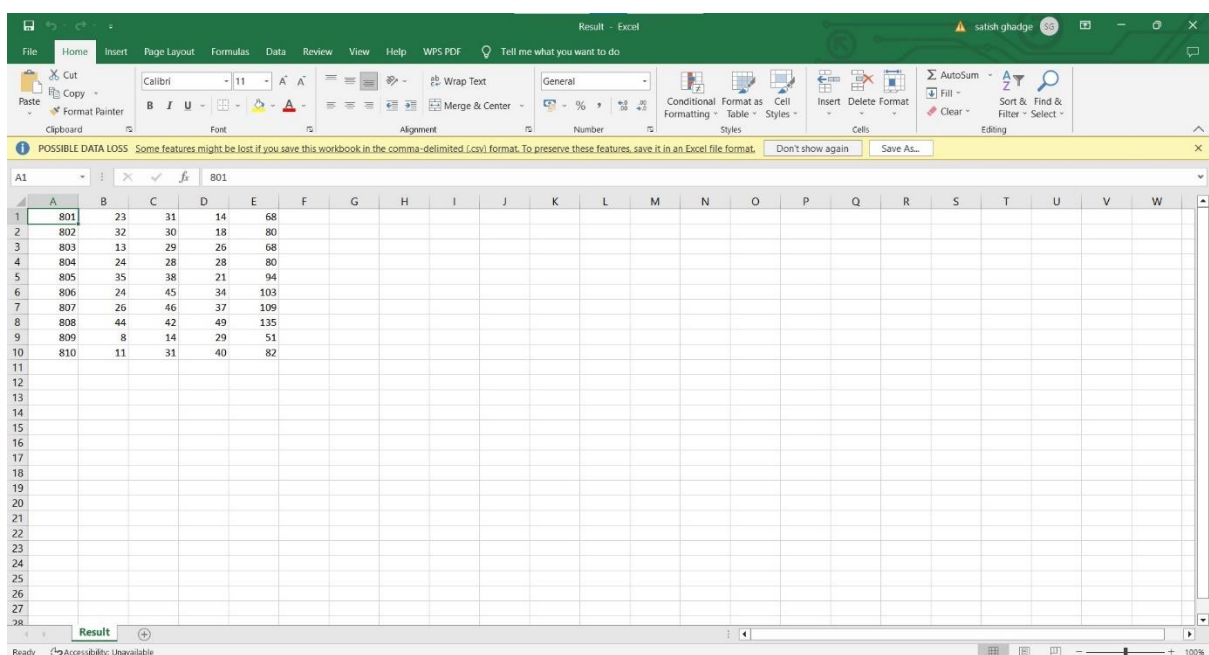
### Excel Sheet1:



Excel Sheet1: A screenshot of an Excel spreadsheet titled 'Student - Excel'. The spreadsheet has a green header bar with the title 'Student - Excel' and a user profile 'satish ghadge'. The ribbon shows 'Home', 'Insert', 'Page Layout', 'Formulas', 'Data', 'Review', 'View', 'Help', and 'WPS PDF'. The 'Home' ribbon is active, showing options for Font, Paragraph, Styles, Cells, and Editing. A yellow warning bar at the top states: 'POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format. Don't show again Save As...'. The spreadsheet content shows a list of student names in column B, with roll numbers in column A. The data is as follows:

Roll No.	Student Name
801	Anuja
802	Vrunda
803	Akanksha
804	Samruddhi
805	Om
806	Yuvraj
807	Srushti
808	Vishwa
809	Nishita
810	Saniya

### Excel Sheet 2:



Excel Sheet 2: A screenshot of an Excel spreadsheet titled 'Result - Excel'. The spreadsheet has a green header bar with the title 'Result - Excel' and a user profile 'satish ghadge'. The ribbon shows 'Home', 'Insert', 'Page Layout', 'Formulas', 'Data', 'Review', 'View', 'Help', and 'WPS PDF'. The 'Home' ribbon is active, showing options for Font, Paragraph, Styles, Cells, and Editing. A yellow warning bar at the top states: 'POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format. Don't show again Save As...'. The spreadsheet content shows statistical data for each student, including roll number, marks in three subjects, and total marks. The data is as follows:

Roll No.	Subject 1	Subject 2	Subject 3	Total
801	23	31	14	68
802	32	30	18	80
803	13	29	26	68
804	24	28	28	80
805	35	38	21	94
806	24	45	34	103
807	26	46	37	109
808	44	42	49	135
809	8	14	29	51
810	11	31	40	82

## The generated Excel Sheet:

Roll No.	Name	Vrunda	Samruddhi	Orn	Yuvraj	Sruvati	Vishwa	Rishita	Saniya
801	Anuja802	13	32	30	18	80			
803	Akanksha	24	29	26	68				
804	Samruddhi	24	28	28	80				
805	Orn	35	38	21	94				
806	Yuvraj	24	45	34	103				
807	Sruvati	26	46	37	109				
808	Vishwa	44	42	49	135				
809	Rishita	8	14	29	51				
810	Saniya	11	31	40	82				

## Code:

```
Practical no.1.py - C:/Users/SATISH/OneDrive/Desktop/861_edu/Practice(file handling)/Practical no.1.py (3.11.3)
File Edit Format Run Options Window Help

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 ()
data=f3.read ()

Practical no.1.py - C:/Users/SATISH/OneDrive/Desktop/861_edu/Practice(file handling)/Practical no.1.py (3.11.3)
File Edit Format Run Options Window Help

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 )
```