Assignment 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

Presented By :-

Name :- Nandini Thorat

Division :- C Roll no. :- 384

Batch :- C4

```
import csv

f1=open("/content/CGPA.csv","r")
f2=open("/content/Student.csv","r")
f3=open("stud_info","w")

d1=list(csv.reader(f1,delimiter=","))
d2=list(csv.reader(f2,delimiter=","))

print("\nFile 1 contents: ",d1)
print("\nFile 2 contents: ",d2)
d3=[]
for i in range (len(d1)):
  d3.append(d1[i]+d2[i])

print(d3)
cw=csv.writer(f3)
cw.writerows(d3)

print(max(d3))

f1.close()
f2.close()
f3.close()
cgpa=[]
with open('/content/stud_info', mode ='r')as file:

  csvFile = csv.reader(file)

  for lines in csvFile:
    cgpa.append(float(lines[4]))


print("\nMaximum cgpa:", max(cgpa))
print("Minimum cgpa:", min(cgpa))
print("Sum of cgpa:",sum(cgpa))
print("Average cgpa:",sum(cgpa)/len(cgpa))
```

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RAM Disk

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print(max(d3))

f1.close()
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f3.close()
cgpa=[]
with open('/content/stud_info', mode ='r')as file:

  csvFile = csv.reader(file)

  for lines in csvFile:
```

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print("Minimum cgpa:", min(cgpa))
print("Sum of cgpa:",sum(cgpa))
print("Average cgpa:",sum(cgpa)/len(cgpa))
```

```
File 1 contents:  [['1', '9.9'], ['2', '9.8'], ['3', '9.7'], ['4', '8.2'], ['5', '7.9']]

File 2 contents:  [['1', 'Nandini', '384'], ['2', 'Prathamesh', '357'], ['3', 'Shravani', '315'], ['4', 'Akshit', '322'], ['5', 'Nihar', '377']]
[['1', '9.9', '1', 'Nandini', '384'], ['2', '9.8', '2', 'Prathamesh', '357'], ['3', '9.7', '3', 'Shravani', '315'], ['4', '8.2', '4', 'Akshit', '322'], ['5', '7.9', '5', 'Nihar', '377'
['5', '7.9', '5', 'Nihar', '377']

Maximum cgpa: 384.0
Minimum cgpa: 315.0
Sum of cgpa: 1755.0
Average cgpa: 351.0
```

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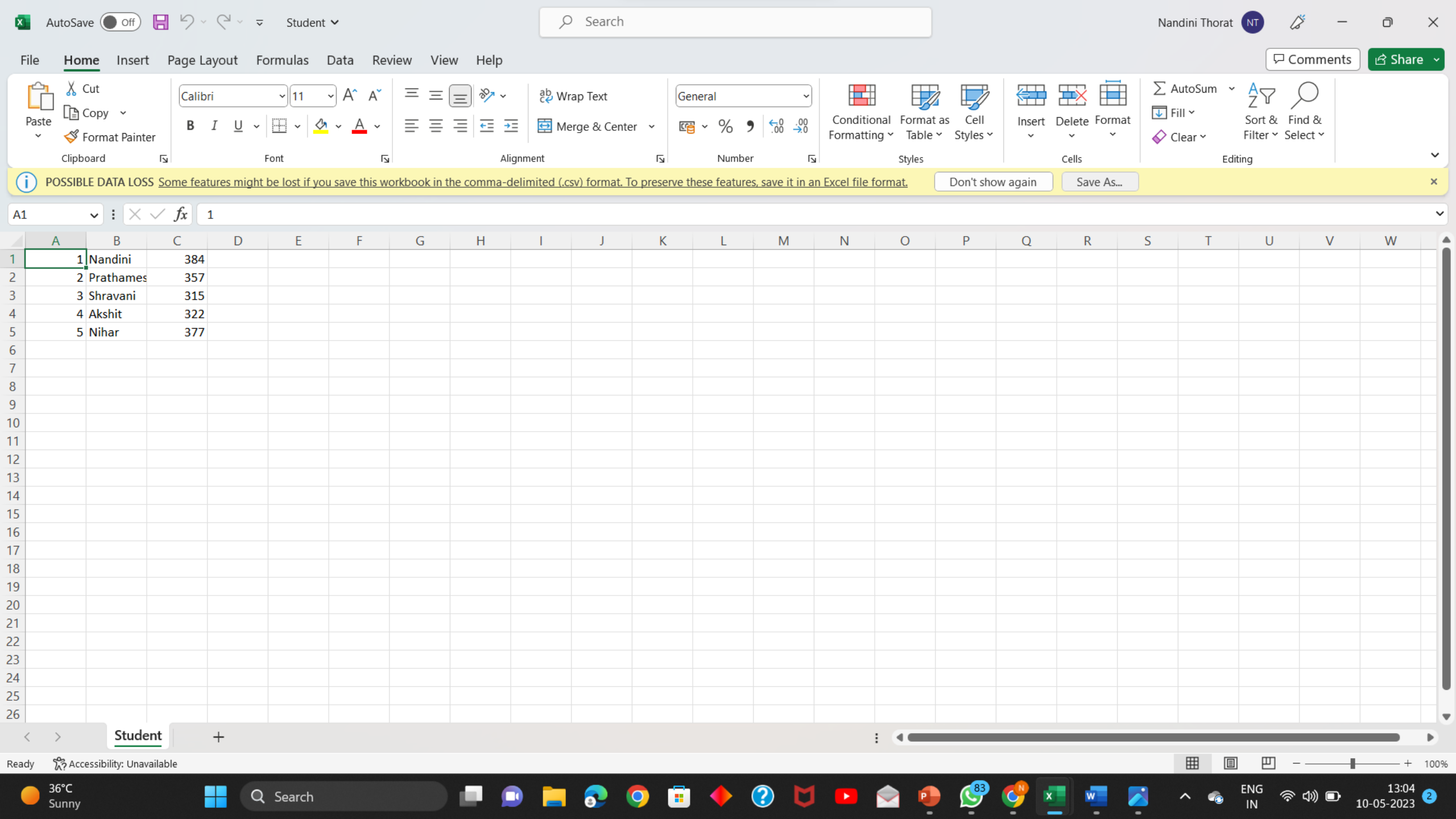
AutoSave Off
Student
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Nandini Thorat NT
File Home Insert Page Layout Formulas Data Review View Help
Comments Share
Paste Cut Copy Format Painter
Clipboard
Calibri 11
Font
Wrap Text Merge & Center
Alignment
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Number
Conditional Formatting Format as Table Cell Styles
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AutoSum Fill Clear
Sort & Filter Find & Select
Editing
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...
A1
1
1 Nandini 384
2 Prathames 357
3 Shravani 315
4 Akshit 322
5 Nihar 377
Student
Ready
Accessibility: Unavailable
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Search
ENG IN
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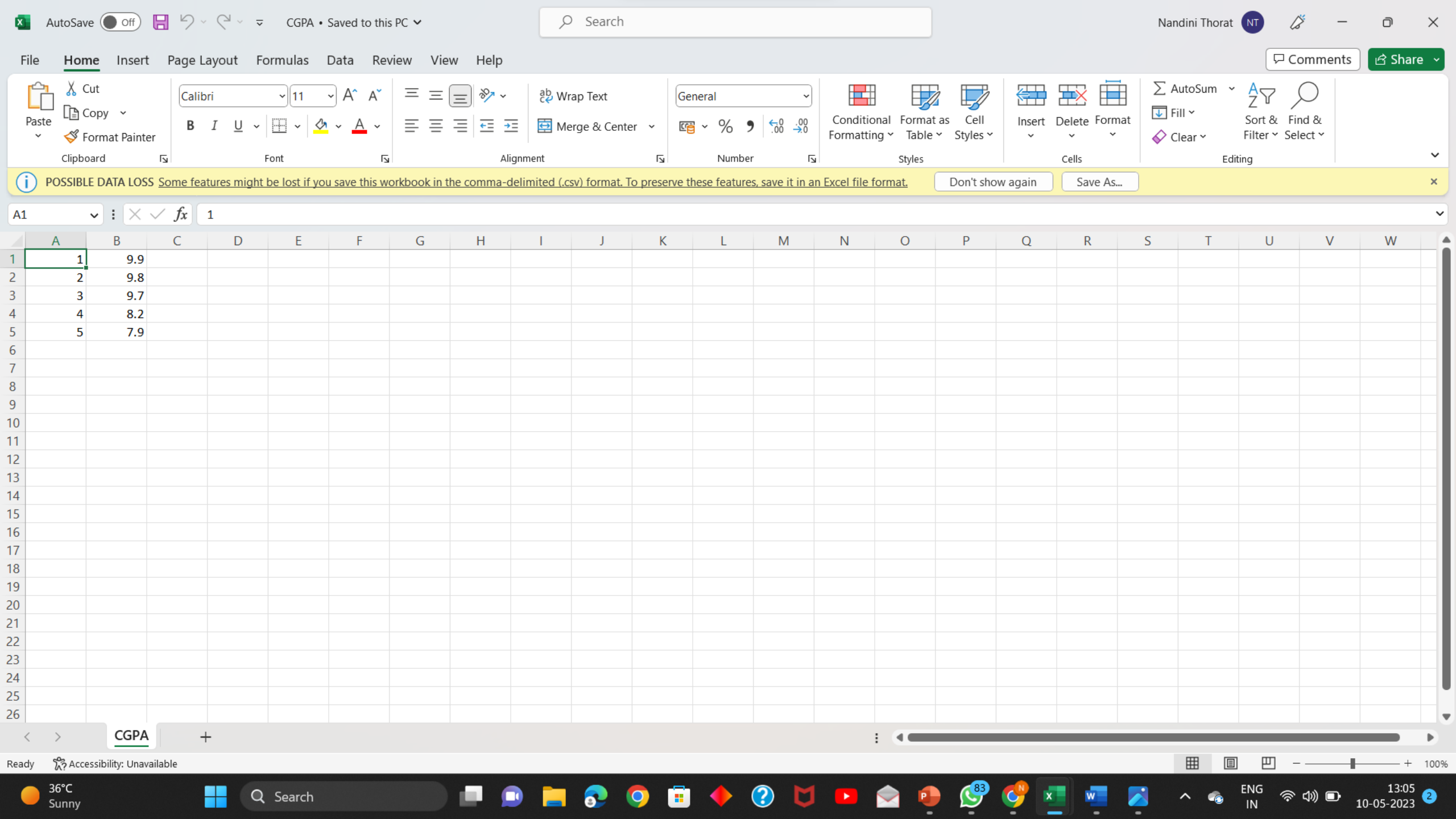
AutoSave Off
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File Home Insert Page Layout Formulas Data Review View Help
Comments Share
Paste Cut Copy Format Painter
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Calibri 11
Font
Wrap Text Merge & Center
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Save As...
A1
1
A B C D E F G H I J K L M N O P Q R S T U V W
1 1 9.9
2 2 9.8
3 3 9.7
4 4 8.2
5 5 7.9
CGPA
Ready
Accessibility: Unavailable
100%
36°C Sunny
Search
ENG IN
13:05 10-05-2023

1. Student Detail :-
https://1drv.ms/x/s!AjO-EnNRb8nig1zWipngI14vF39Q?e=ecicBg

2. CGPA Detail :-
https://1drv.ms/x/s!AjO-EnNRb8nig2DoEYAZcPZt-lgI?e=jxwRni

3. Code :-
https://colab.research.google.com/drive/1ZGzC1lWdMmZc0aAMgaXYXhCkBq8krAWp#scrollTo=i9PZqDk1h9pc