PRACTICAL 1

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Question:

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.

Code:

```python
import pandas as pd
df = pd.read_csv("/content/drive/MyDrive/empdetails.csv")
df1 = pd.read_csv("/content/drive/MyDrive/salary.csv")
df2 = pd.merge(df,df1,on = "ID")
df2.to_csv("EmployeesDetails.csv",index = False)
merged_df =pd.read_csv('/content/EmployeesDetails.csv')
print(merged_df)
avg = merged_df.mean()
max = merged_df.max()
min = merged_df.min()
count = merged_df.count()
sum = merged_df.sum()
percent = merged_df.mean() / merged_df.count() * 100
#statistical analysis
print("Average:\n", avg)
print("Max:\n", max)
print("Min:\n", min)
print("Count:\n", count)
print("Sum:\n", sum)
print("Percentage:\n", percent)
```

CSV Files:

df –

https://drive.google.com/file/d/1ixuWvUpHVA6JeSXg9JU7Ji-NNykJrMIp/view

df1-

https://drive.google.com/file/d/1_aIrh8iHDBFijabyPNrROWJnJI5_yOTC/view