

Name : Sahil R. Jadhav

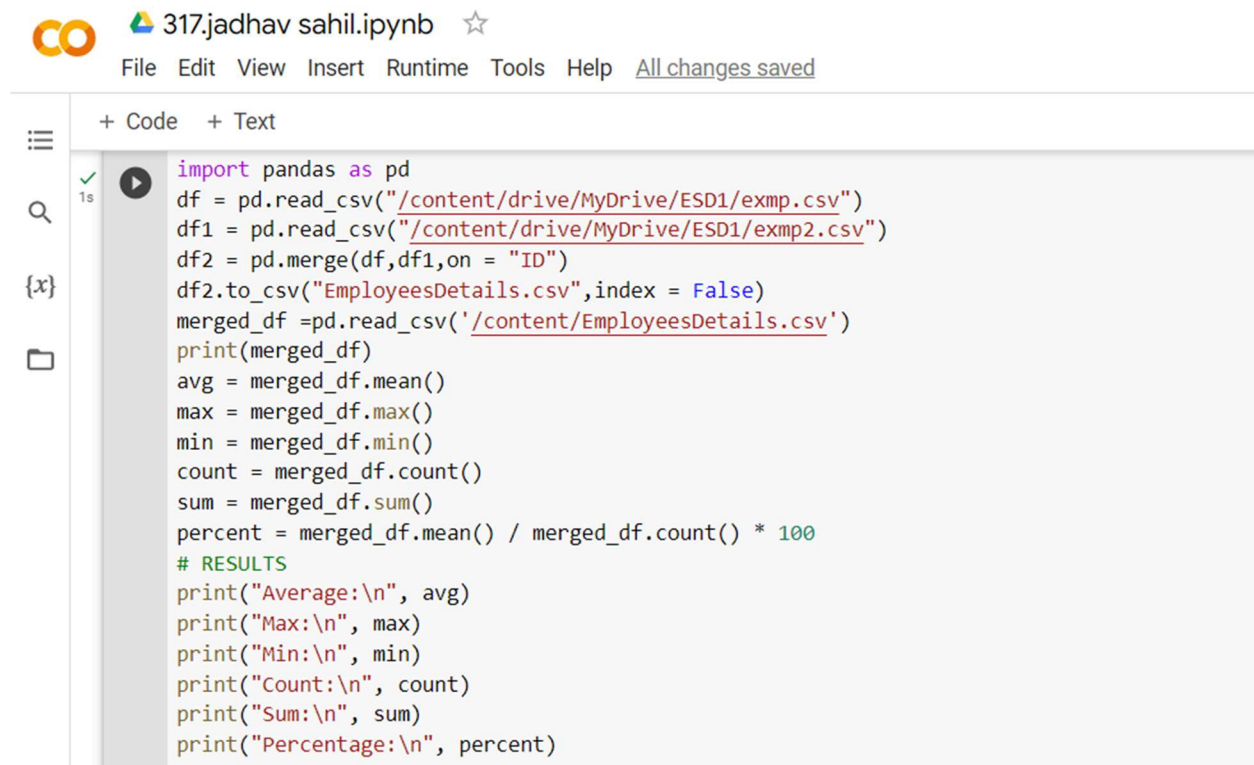
Roll No. : 317

PRN:202201050011

Question:

Perform all statistical analysis (Average, Max, Min, Count, Sum, Percentage) on it

Code :



The screenshot shows a Jupyter Notebook interface with a file named '317.jadhav sahil.ipynb'. The code cell contains a pandas script that reads two CSV files, merges them on the 'ID' column, and then calculates various statistical measures. The measures include the mean (average), maximum, minimum, count, sum, and percentage (calculated as mean divided by count multiplied by 100). The results are printed to the console.

```
import pandas as pd
df = pd.read_csv("/content/drive/MyDrive/ESD1/exmp.csv")
df1 = pd.read_csv("/content/drive/MyDrive/ESD1/exmp2.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
# RESULTS
print("Average:\n", avg)
print("Max:\n", max)
print("Min:\n", min)
print("Count:\n", count)
print("Sum:\n", sum)
print("Percentage:\n", percent)
```

Result :



317.jadhav sahil.ipynb ☆

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```
✓ 1s [play]
      ID      Name  Work Experience      Role      Salary
0    1    Om Borle          5          HR    1025000
1    2    Om Bhoyar          3    Jr. Backend Developer    780000
2    3    Subbudha          4      Product Tester    890000
3    4    Shambhu          4    Frontend Developer    700000
4    5      Vijay          3      Quality Incharge    650000
5    6    Prasad          5          Manager    850000
6    7      Sahil          4      Risk Analyser    710000
7    8    Apporva          6    Full Stack Developer    650000
8    9    Sudarshan          3          Recruiter    412000
9   10    Pranay          4      Data enginner    900000
Average:
      ID          5.5
Work Experience      4.1
Salary            756700.0
dtype: float64
Max:
      ID          10
      Name      Vijay
Work Experience      6
      Role      Risk Analyser
      Salary      1025000
dtype: object
Min:
      ID          1
      Name      Om Borle
Work Experience      3
      Role      Data enginner
      Salary      412000
dtype: object
Count:
```

```

ID          10
Name        10
Work Experience  10
Role        10
Salary      10
dtype: int64
Sum:
ID          55
Name        Om BorleOm BhoyarSubbudhaShambhuVijayPrasadSa...
Work Experience  41
Role        HRJr. Backend DeveloperProduct TesterFrontend ...
Salary      7567000
dtype: object
Percentage:
ID          55.0
Name        NaN
Role        NaN
Salary      7567000.0
Work Experience  41.0
dtype: float64

```

<ipython-input-1-74e7dab7f379>:8: FutureWarning: The default value of numeric_only in DataFrame.mean is deprecated. In a future version, it will default to False. In addition, specifying 'numeric_only=None' is deprecated. Select only valid columns or specify the value of numeric_only to silence this warning.

```
avg = merged_df.mean()
```

<ipython-input-1-74e7dab7f379>:13: FutureWarning: The default value of numeric_only in DataFrame.mean is deprecated. In a future version, it will default to False. In addition, specifying 'numeric_only=None' is deprecated. Select only valid columns or specify the value of numeric_only to silence this warning.

```
percent = merged_df.mean() / merged_df.count() * 100
```