import pandas as pd

df = pd.read\_csv("C:\\Users\\NAWFAL\\Downloads\\Employee.csv")

grouped = df.groupby('Department')['Hours\_Worked'].sum().reset\_index()

grouped = grouped.sort\_values(by='Hours\_Worked', ascending=False)

print("Total hours by department:\n", grouped)

pivot = pd.pivot\_table(df, values='Hours\_Worked', index='Department',

aggfunc={'Hours\_Worked': ['sum', 'mean', 'max', 'min']})

pivot.columns = ['Total\_Hours', 'Average\_Hours', 'Max\_Hours', 'Min\_Hours']

print("\nPivot Table Summary:\n", pivot)

def highlight\_max(s):

is\_max = s == s.max()

return ['background-color: yellow' if v else '' for v in is\_max]

styled = grouped.style.apply(highlight\_max, subset=['Hours\_Worked'])

styled\_pivot = pivot.style.apply(highlight\_max, subset=['Total\_Hours'])

# Save to Excel instead of using display()

styled.to\_excel("grouped\_report.xlsx", index=False)

styled\_pivot.to\_excel("pivot\_summary.xlsx")