## Code Implementation (Python)

```
ss_data['Time'] = ss_data['Time'].dt.strftime('%H')
ss_data_Time
#change format of Time column into hour format only

ss_data['Date'] = ss_data['Date'].apply(lambda x: datetime.datetime.strptime(x, '%m/%d/%V'))

# Create a new 'Month' column with formatted year and month
ss_data['Month'] = ss_data['Date'].dt.strftime('%V'%m')

Total Sales of Each Product Line and City in Each Month COMBINE Total Gross Income of Each Product line and City
```

```
plt.style.use('Solarize_Light2')

# to combine 2 chart in 1 graph

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# is combine 2 chart in 1 graph

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# secondary_v=True: add another y-axis on right hand side

# ax1-gross_income_plot(kind='line', warker='0', color='black', axeax, linesidth=2, secondary_y=True)

# ax1-gross_income_plot(kind='black', fontname='serif', fontsize=15)

# the text will not be overlapping

plt.stick(ortation=0)

# secondary_v=True: add another y-axis on right hand side

# ax = branch_product_month_sales.plot(kind='bar', stacked=True, axeax, color=accide_tool)

# secondary_v=True:

# share the product_month_sales.plot(kind='bar', stacked=True, axeax, color=accide_tool)

# stack value to each bar

# share the product_month_sales.plot(kind='bar', stacked=True, axeax, color=accide_tool)

# share the product_month_sales.plot(kind='bar', stacked=True, axeax, color=accide_tool)

# share the product_month_sales.plot(kind='bar', fontsize=15)

# share the product_month_sales.plot(kind='bar', fontsize=15)

# product_month_sales.plot(kind='bar', fontsize=15)

# graph design

## ax.axvline(x9.5.4, color='black', linesidth=2, linestyle='---')

## ax.ax
```

