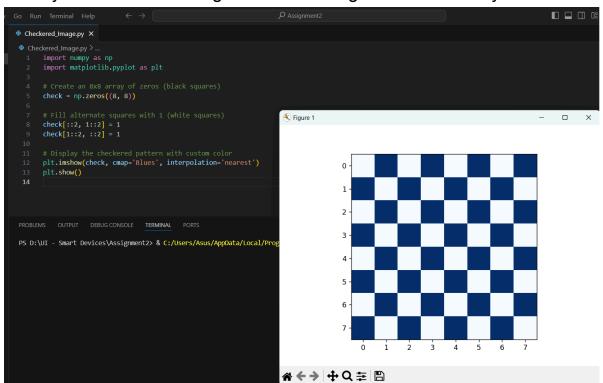
Assignment 2 24F --UI - Smart Devices (SEC. 401) Md Abdul Kader #301358013

Activity 1: Checkered image. Print the image in the color of your choice.



SkLearn Activities:

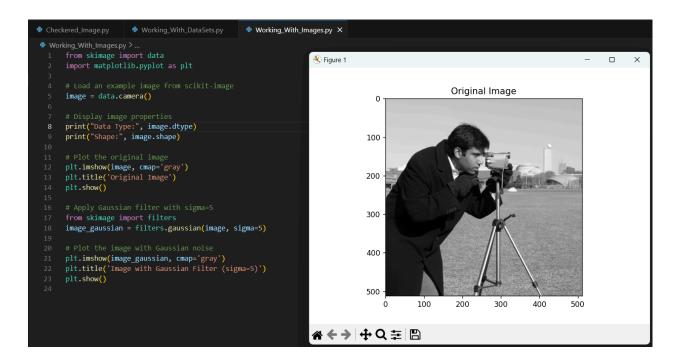
- Display all the datasets.
- Pick up any dataset and look at the following commands to print:
 - Feature names
 - File name
 - Frame
 - Target
 - Target names

```
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Scikit-image Activities:

- Display all the images that come with the Scikit-image library.
- Pick up any image and look at the following commands to print:
- data
- datatype
- shape
- plot the image.
- Use the filter to plot images with gaussian noise and sigma as 5.

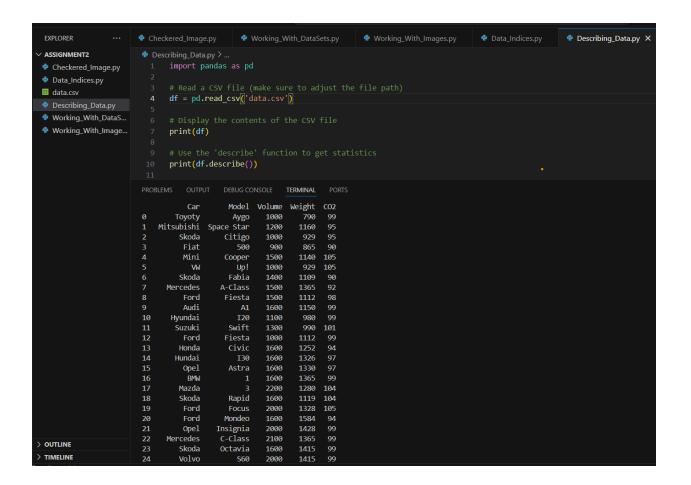


Pandas Activities:

• Create a series of 10 numbers with dates as indices. Display some specific numbers with values or indices.

```
Data_Indices.py X
      dates = pd.date_range('2023-01-01', periods=10)
      series = pd.Series(range(10), index=dates)
 10 print(series)
     # Display specific values by index print("Value on specific date:", series['2023-01-05'])
PS D:\UI - Smart Devices\Assignment2> & C:/Users/Asus/AppData/Local/Programs/Python/Python312/python.exe "d:/UI - Smart Devices\Assignment2/Data_Indices.py"
2023-01-01
2023-01-02
2023-01-03
2023-01-04
2023-01-05
2023-01-07
2023-01-08
2023-01-09
2023-01-10
Freq: D, dtype: int64
Value on specific date: 4
PS D:\UI - Smart Devices\Assignment2>
```

• Create a .csv file, read it using pandas and display the content. Use the command describe to display the statistics of the file.



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	✓ ASSIGNMENT2	30	Mercedes	E-Class	2100	1605	115
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		26	Audi	A4	2000	1490	104
و	data.csv	27	Audi	A6	2000	1725	114
	Describing_Data.py	28	Volvo	V70	1600	1523	109
	Working_With_DataS	29	BMW	5	2000	1705	114
£>	Working_With_Image	25	Mercedes	CLA	1500	1465	102
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		27	Audi	A6	2000	1725	114
b		28	Volvo	V70	1600	1523	109
		25	Mercedes	CLA	1500	1465	102
卫		26	Audi	A4	2000	1490	104
		27	Audi	A6	2000	1725	114
		28	Volvo	V70	1600	1523	109
•		26	Audi	A4	2000	1490	104
•		27	Audi	A6	2000	1725	114
		28	Volvo	V70	1600	1523	109
		27	Audi	A6	2000	1725	114
		28	Volvo	V70	1600	1523	109
		29	BMW	5	2000	1705	114
		28	Volvo	V70	1600	1523	109
		29	BMW	5	2000	1705	114
		29	BMW	5	2000	1705	114
		30	Mercedes	E-Class	2100	1605	115
		31	Volvo	XC70	2000	1746	117
		32	Ford	B-Max	1600	1235	104
		33	BMW	216	1600	1390	108
		34	Opel	Zafira	1600	1405	109
		35	Mercedes	SLK	2500	1395	120
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