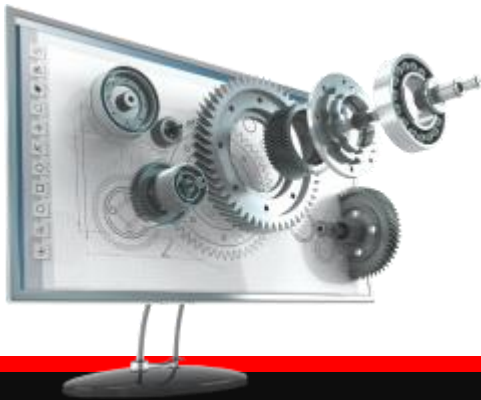




# Python for Beginners

Archer Infotech , PUNE





# Python - Matplotlib

## EX-1



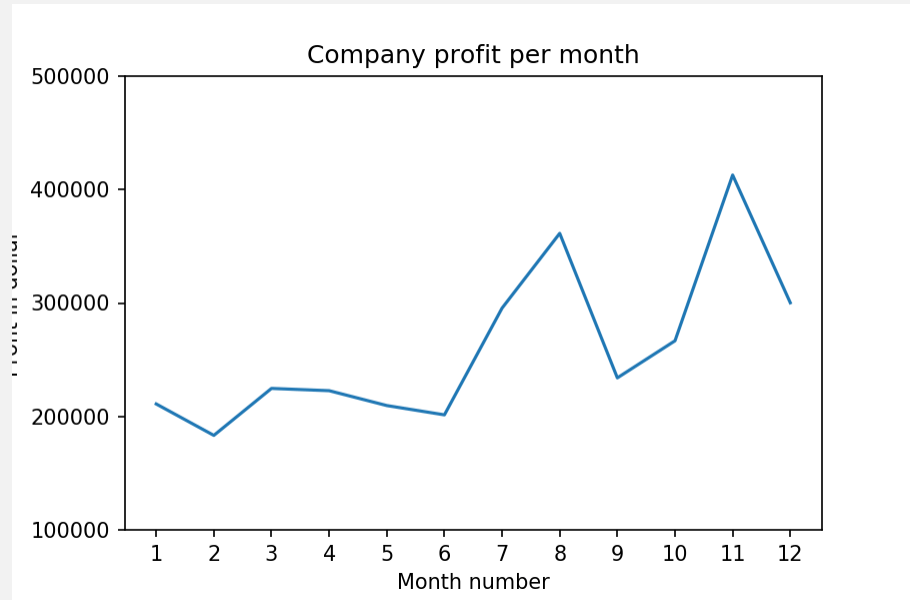
- **Exercise 1: Read Total profit of all months and show it using a line plot**

Total profit data provided for each month. Generated line plot must include the following properties: –

X label name = Month Number

Y label name = Total profit

The line plot graph should look like this.



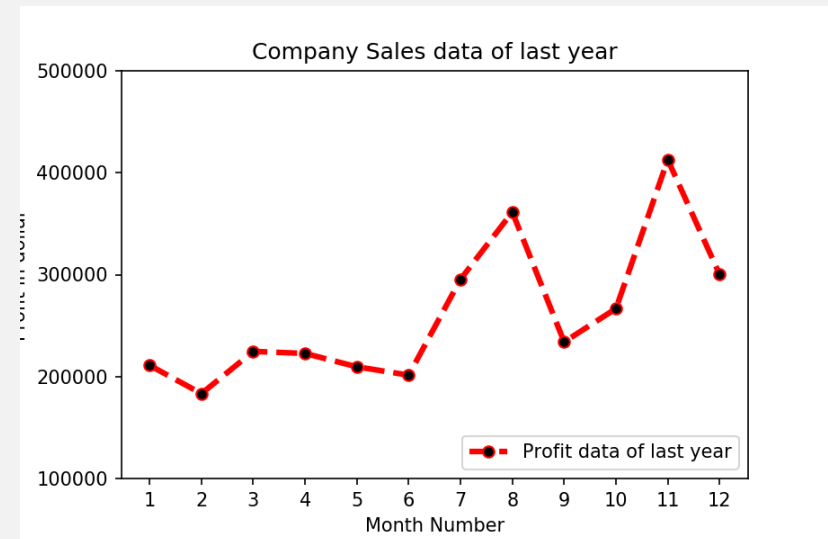
## EX-2



- **Exercise 2: Get total profit of all months and show line plot with the following Style properties**

Generated line plot must include following Style properties: –

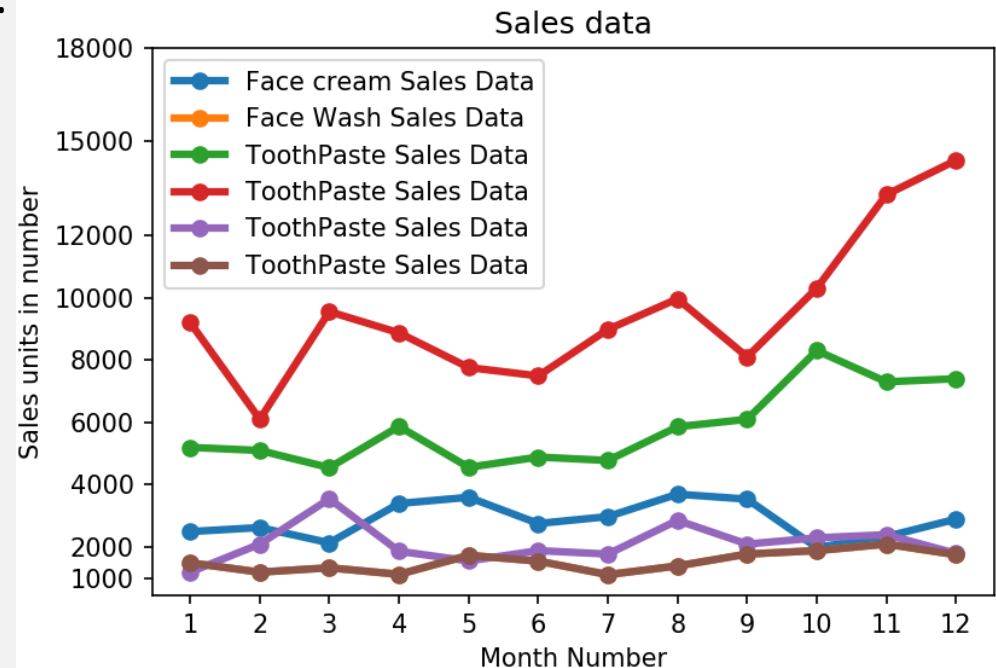
- Line Style dotted and Line-color should be red
- Show legend at the lower right location.
- X label name = Month Number
- Y label name = Sold units number
- Add a circle marker.
- Line marker color as read
- Line width should be 3
- The line plot graph should look like this.



## EX-3



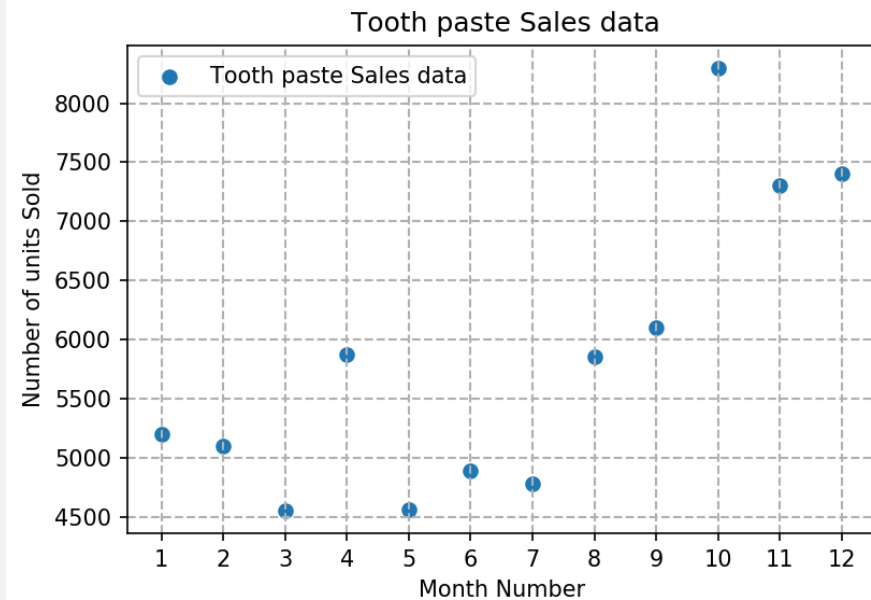
- **Exercise 3: Read all product sales data and show it using a multiline plot**
- Display the number of units sold per month for each product using multiline plots. (i.e., Separate Plotline for each product ).
- The graph should look like this.



## EX-4



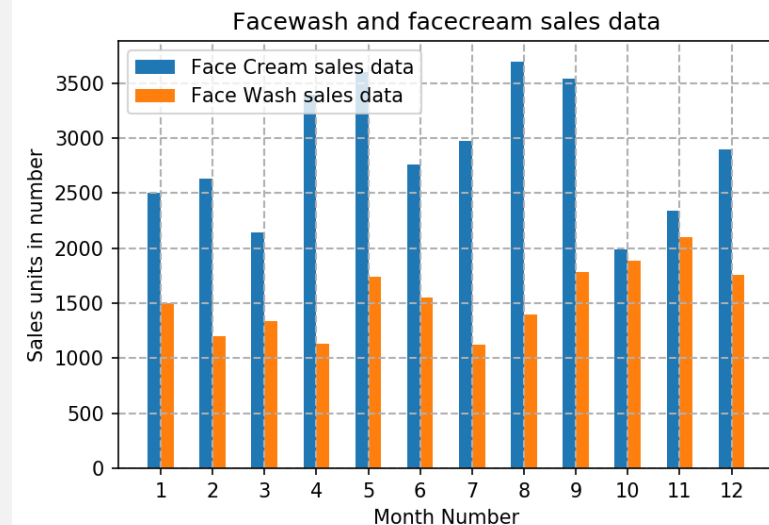
- **Exercise 4: Read toothpaste sales data of each month and show it using a scatter plot**
- Also, add a grid in the plot. gridline style should “—”.
- The scatter plot should look like this.



## EX-5



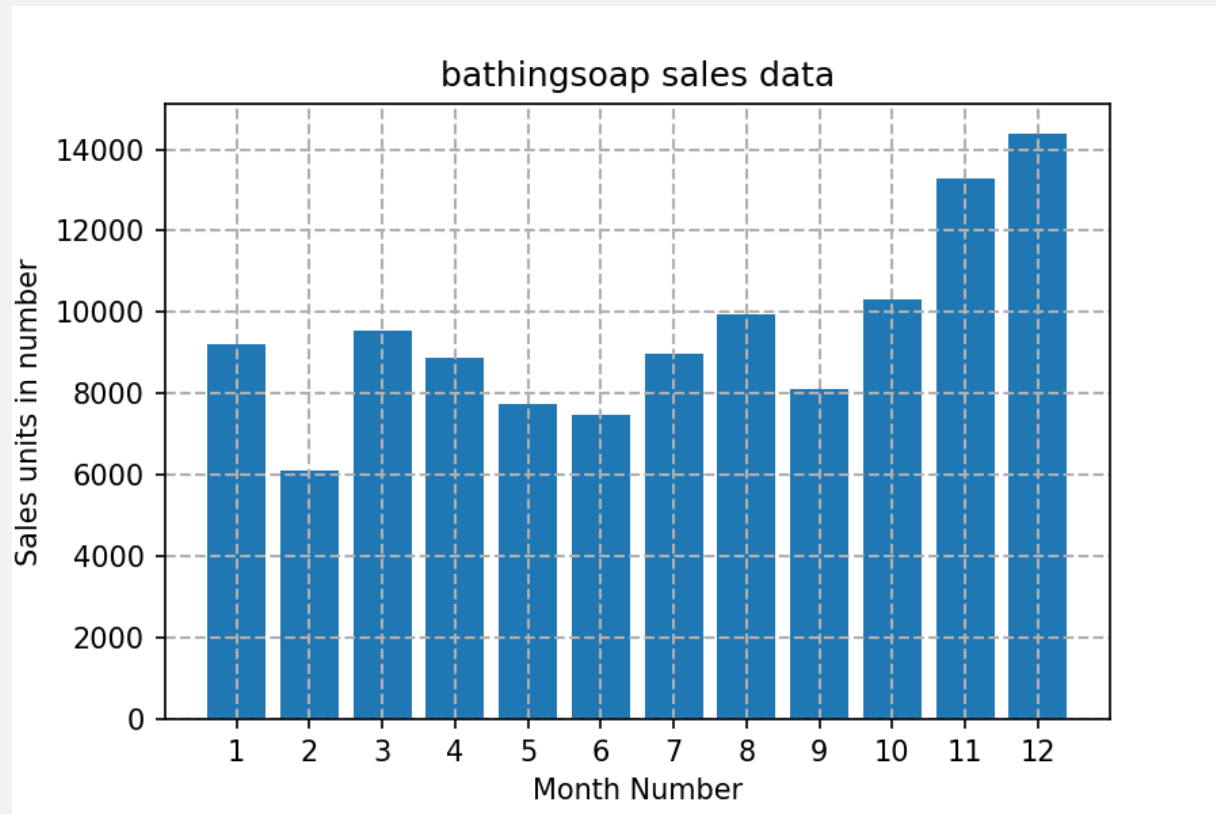
- **Exercise 5: Read face cream and facewash product sales data and show it using the bar chart**
- The bar chart should display the number of units sold per month for each product. Add a separate bar for each product in the same chart.
- The bar chart should look like this.



## EX-7



- **Exercise 6: Read sales data of bathing soap of all months and show it using a bar chart. Save this plot to your hard disk**

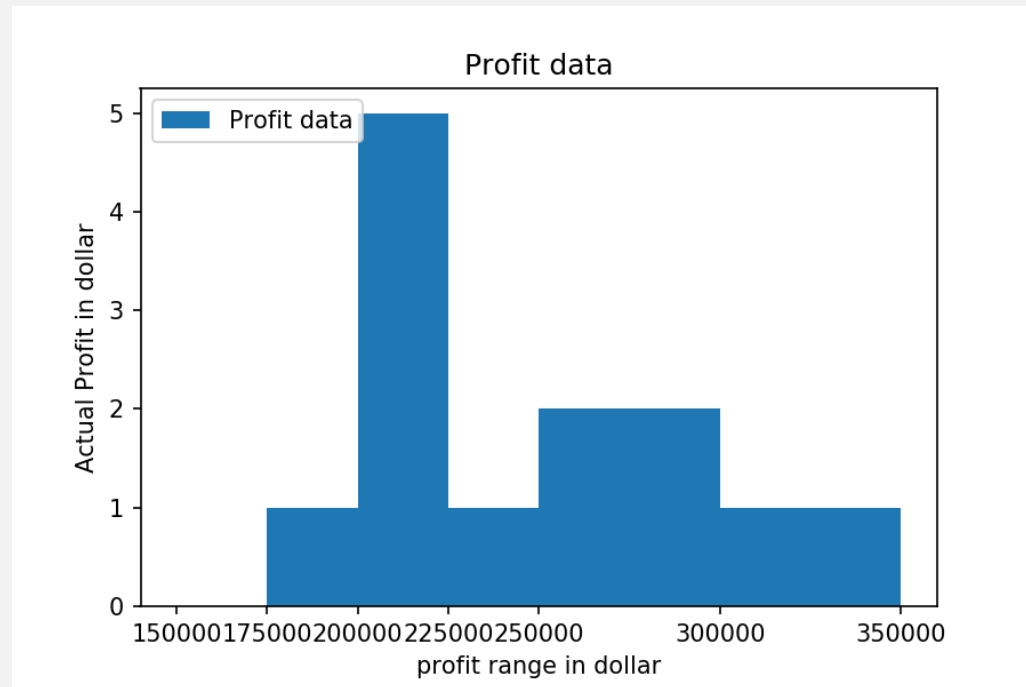




## EX-7



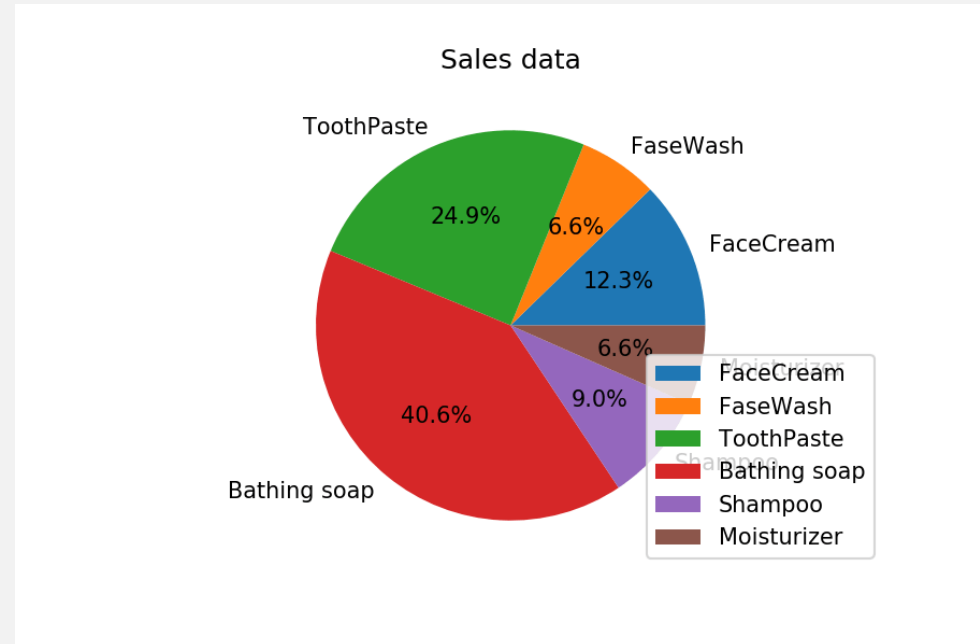
- **Exercise 7: Read the total profit of each month and show it using the histogram to see the most common profit ranges**



## EX-8



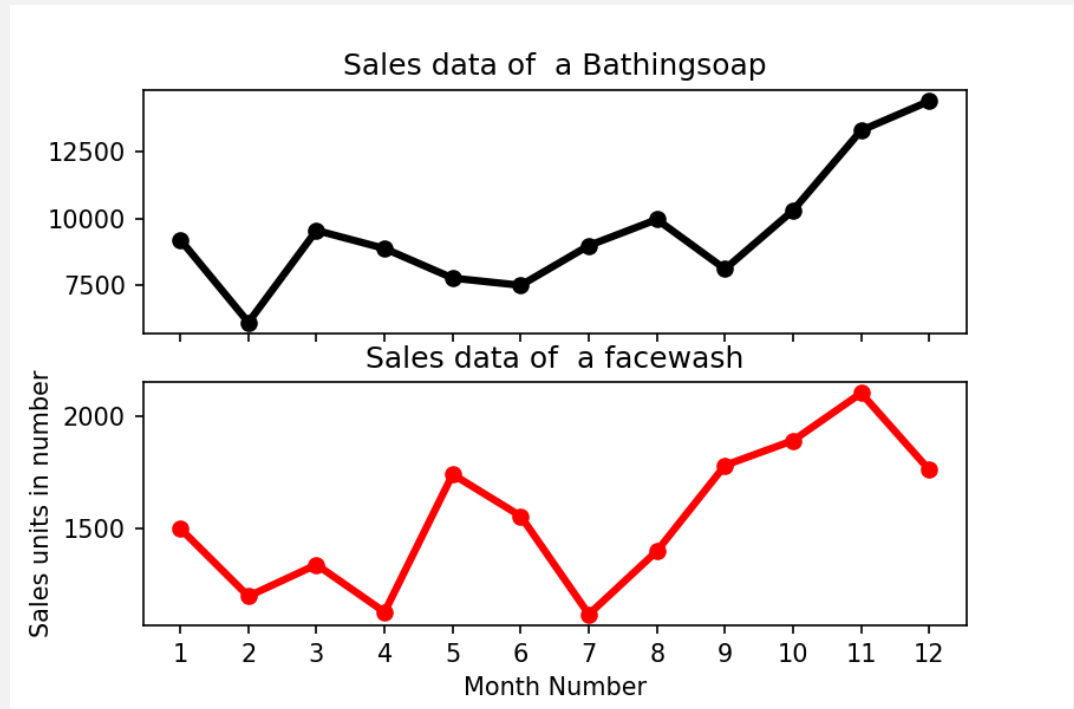
- **Exercise 8: Calculate total sale data for last year for each product and show it using a Pie chart**
- **Note:** In Pie chart display Number of units sold per year for each product in percentage.
- The Pie chart should look like this.
- 



## EX-9



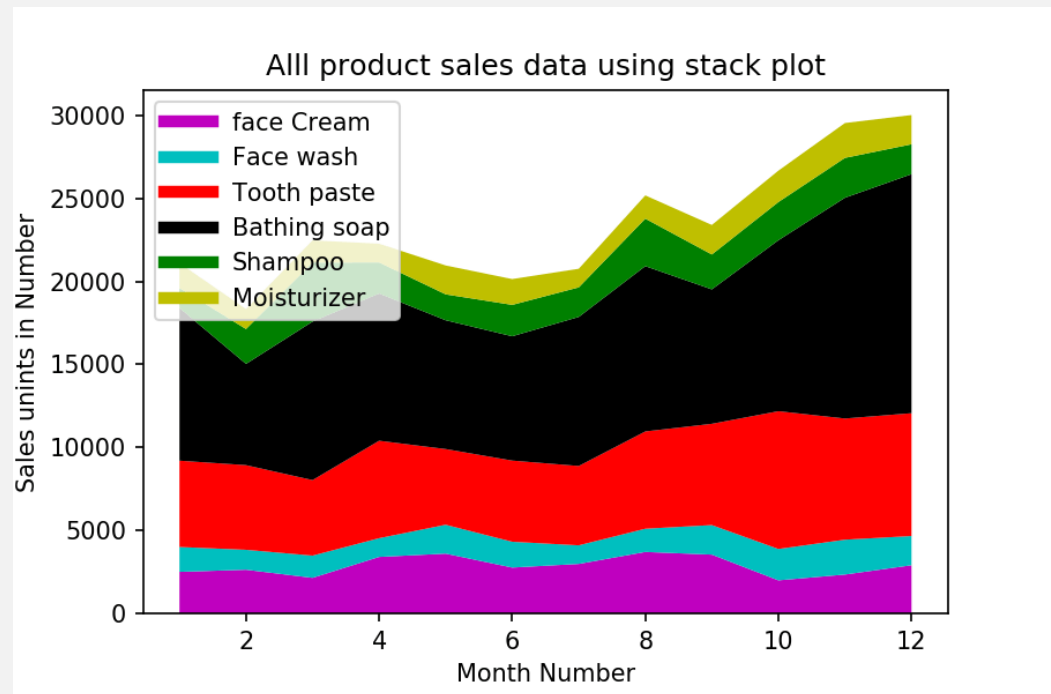
- **Exercise 9: Read Bathing soap facewash of all months and display it using the Subplot**
- The Subplot should look like this.
- 



## EX-10



- Read all product sales data and show it using the stack plot
- The Stack plot should look like this.
- 





# **THANK YOU !!!**

**Amol Patil - 9822291613**

