

25 Matplotlib Practice Questions

1. Plot a line graph for $x = [1,2,3,4,5]$ and $y = [2,4,6,8,10]$.
2. Plot a bar chart for marks of 5 students.
3. Plot a horizontal bar chart for same data.
4. Create a pie chart of market share of 4 companies.
5. Plot a scatter plot between height and weight of students.
6. Add title, xlabel, and ylabel to any plot.
7. Change the line style to dotted and color to green.
8. Plot two lines on the same graph with legends.
9. Use custom tick marks on X and Y axes.
10. Rotate x-axis labels by 45 degrees.
11. Create 2 subplots in 1 row.
12. Create 4 subplots in 2x2 layout.
13. Share X-axis between two plots.
14. Adjust subplot spacing using `tight_layout()`.
15. Add gridlines to a subplot.
16. Create a histogram of random 1000 values.
17. Create a boxplot of student marks in 3 subjects.
18. Compare two histograms on the same plot.
19. Plot a violin plot using matplotlib.
20. Plot a stacked bar chart.
21. Create a multi-line plot with labels and legends.
22. Plot a heatmap using `imshow()`.
23. Plot a filled area under curve using `fill_between()`.
24. Plot error bars in a line plot.
25. Save any plot to PNG using `plt.savefig("plot.png")`.