



- $Y = [2, 4, 6, 8, 10]$

3. Add:

1. Title: *"Simple Line Plot"*
2. Labels for the X-axis and Y-axis.
3. Grid lines.

## TASK#5

For Water Jug problem

- Implement both **BFS** and **DFS**.
- Compare their performance in terms of:
  - Number of steps taken.
  - Time taken to find the solution.
  - Memory usage.

## TASK#6

Consider a maze as shown below. Each empty tile represents a separate node in the graph, while the walls are represented by blue tiles. Your starting node is A, and the goal is to reach Y. Implement an A\* search to find the resulting path.

5			W		X	Y
4	R	S	T	U		V
3	M	N		O	P	Q
2	H	I	J		K	L
1	F		G			
0	A		B	C	D	E
	0	1	2	3	4	5

The End