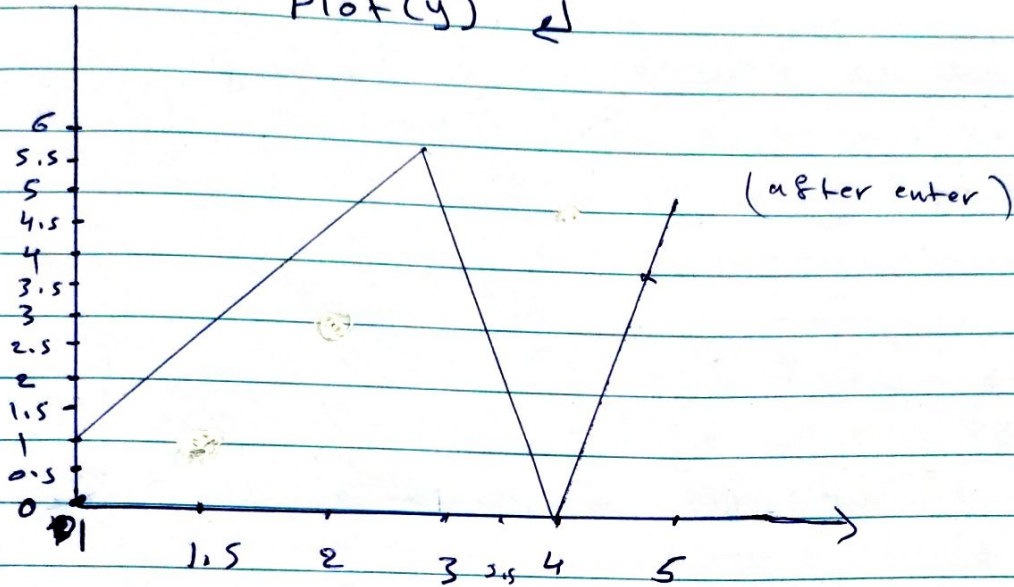


EX 1 If $y = (1\ 3\ 5\ 0\ 4)$; draw the variable (y) in the matlab.

Application:

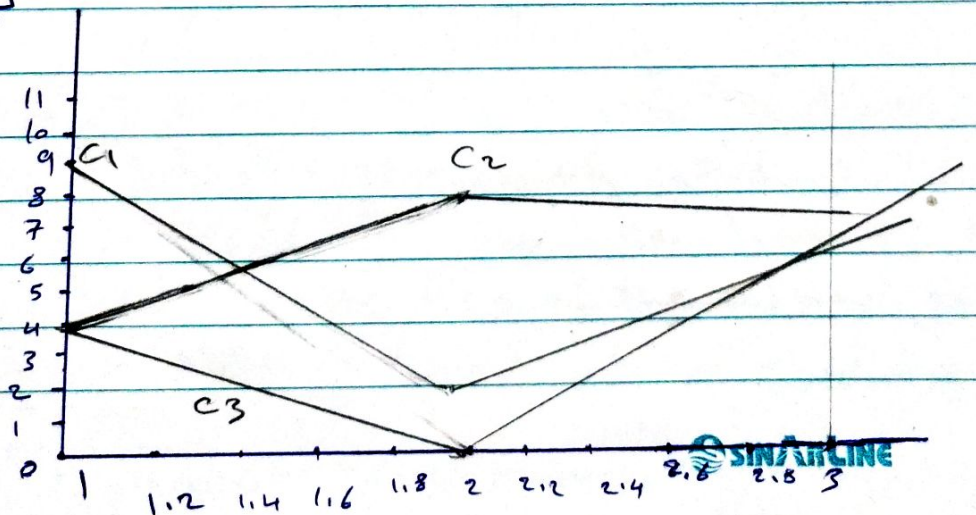
$\gg y = [1\ 3\ 5\ 0\ 4]$; $\downarrow + \text{shift}$
 $\cdot \text{plot}(y)$ \downarrow



EX 2 Draw the matrix (A) in matlab,

$$(A) = \begin{matrix} & c_1 & c_2 & c_3 \\ \begin{matrix} r_1 \\ r_2 \\ r_3 \end{matrix} & \begin{bmatrix} 9 & 4 & 4 \\ 2 & 8 & 0 \\ 6 & 7 & 8 \end{bmatrix} \end{matrix}$$

$\gg A = [9\ 4\ 4; 2\ 8\ 0; 6\ 7\ 8]$; $\downarrow + \text{shift}$
 $\text{plot}(A)$ \downarrow



Ex 3 If you have

<u>x</u>	<u>y</u>
0	3
0.3	1
0.5	7
1.1	0
2.5	9

Draw (x, y) and also write on the x-axis (x-values) and on the y-axis (y-values), and the title of the drawing (plot (x, y)).

Sol

```

>> X = [0; 0.3; 0.5; 1.1; 2.5]; ← +shift
     y = [3; 1; 7; 0; 9]; ← +shift
     plot(X, y); ← +shift
     xlabel('x-values'); ← +shift
     ylabel('y-values'); ← +shift
     title('plot(x,y)'); ←
  
```

Ex 4!:- If you have

<u>x</u>	<u>y</u>	<u>z</u>
5	-2	0
3	1	7
6	2	8
8	4	5
2	7	9

Final 1

Draw (x, y, z) and also write on the x-axis (variable - x), on the y-axis (variable - y), and the z-axis (variable - z) and the title of the drawing $\text{plot}(x, y, z)$ and the type of line of the drawing (--) and the red color of the drawing.

sol ↓

```

>> X = [5; 3; 6; 8; 2];
     Y = [-2; 1; 2; 4; 7];
     Z = [0; 7; 8; 5; 9];
     plot3(X, Y, Z, '-r');
     title('plot (x, y, z)');
     xlabel('variable x');
     ylabel('variable y');
     zlabel('variable z');
  
```

Ex []

<u>t</u>	<u>z</u>
0	0
0.5	1
1	2
1.5	1
2	3

Final

the same is required: for the example above

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