**Introduction to 2D Array**

**2D Array:**

2D is also known as matrix.

**How to define 2D Array:**

int x[2][3];

* Special 1D array in which each element is a 1D array.
* Here we have defined array of 2 elements and each element itself is a 1D array of 3 elements.

**How to initialize 2D Array:**

int x[2][3] = {{1,2,3},{4,5,6}};

**Which of the following syntax is correct:**

1. int x[2][3] = {{1,2,3},{4,5,6}};
2. int x[ ][3] = {{1,2,3},{4,5,6}}; => Row can be left blank
3. int x[2][ ] = {{1,2,3},{4,5,6}}; => Error, Column can’t be left blank
4. int x[ ][ ] = {{1,2,3},{4,5,6}}; => Error, Column is blank here