

MULTI DIMENSIONAL ARRAYS :-

EX:-

`int a[3][3][3]`

`a[0]`

| | 0 | 1 | 2 |
|---|---|---|---|
| 0 | | | |
| 1 | | | |
| 2 | | | |

`a[1]`

| | 0 | 1 | 2 |
|---|---|---|---|
| 0 | | | |
| 1 | | | |
| 2 | | | |

`a[2]`

| | 0 | 1 | 2 |
|---|---|---|---|
| 0 | | | |
| 1 | | | |
| 2 | | | |

APPLICATIONS OF ARRAYS =>

- To represent matrices
- To represent vectors
- To represent handle strings
- To represent linear data structures like stack, queue, list
- To represent non-linear data structures like trees & graphs