



# VISUALIZING ARRAYS

Arrays May Have Different Shapes

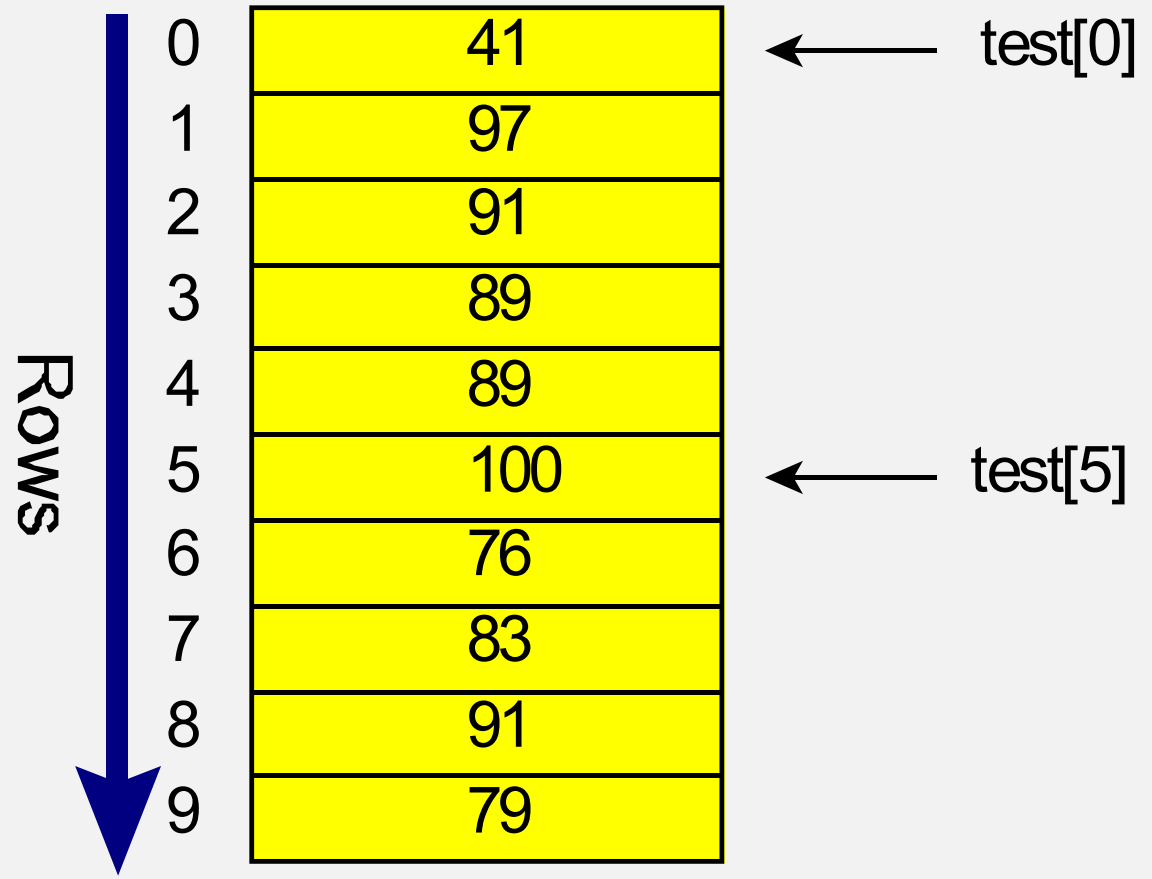


# ONE-DIMENSIONAL ARRAY

Looks like a list

```
int test[10];
```

Legal index values: 0 - 9





# TWO-DIMENSIONAL ARRAY

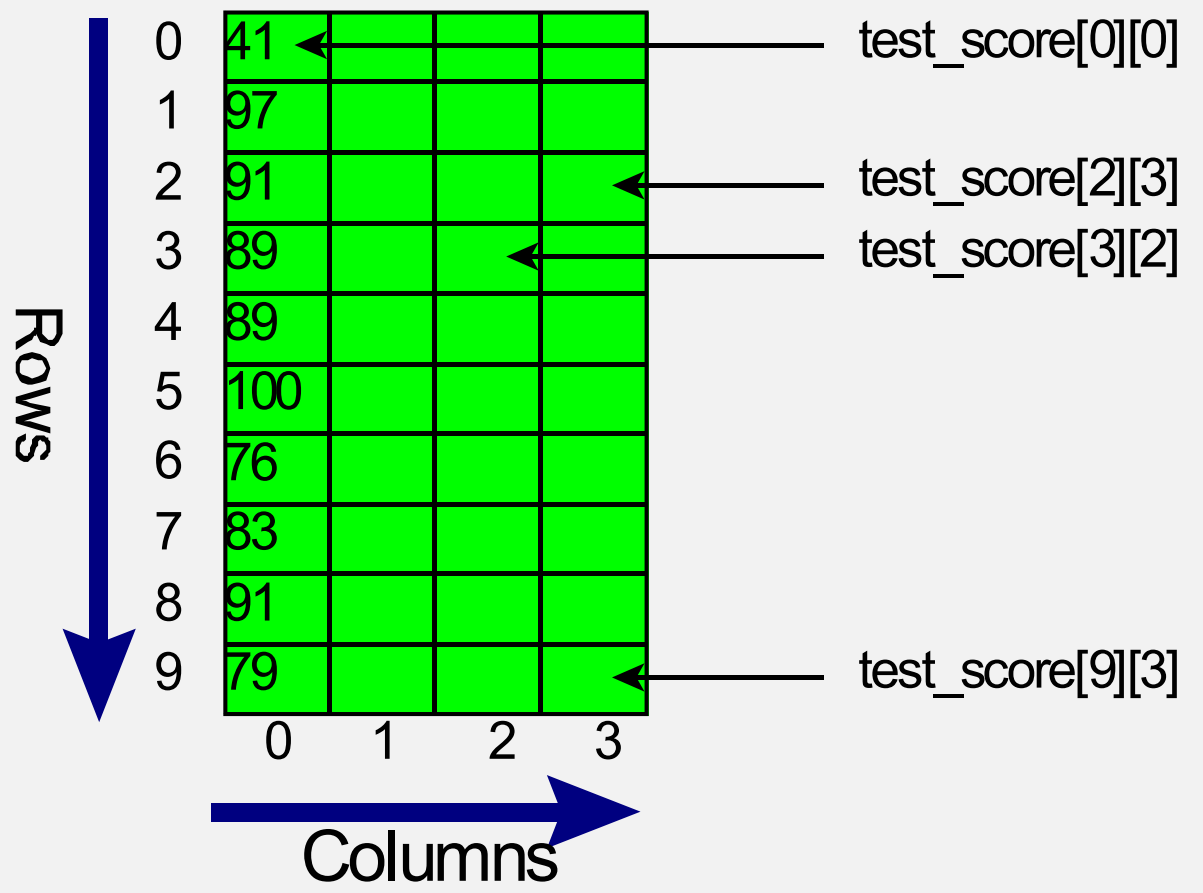
Looks like a table

```
float test_score[10][4];
```

Sizes are stated individually: row, column

Each dimension must be in its own brackets  
(can't have a comma-separated list)

Legal index values: 0-9 and 0-3



# THREE-DIMENSIONAL ARRAY

Looks like a box

```
double class_score[5][5][5];
```

Sizes are stated individually: row, column, layer

Legal index values: 0-4, 0-4, 0-4

