

Arrays

1D arrays:

To define → `int arr [size_of_your_array];`

To iterate → `for (int i = 0 ; i < size | i++){ }`

We can define the size as a constant

ex: → `#define SIZE 10;`

2D arrays:

To define → `int arr [rows][columns];`

Rows and columns can be defined as →

`int rows = sizeof (arr) / sizeof (arr[0]);`

`int columns = sizeof (arr[0]) / sizeof (arr[0][0]);`

To iterate → `for (int i = 0 ; i < rows ; i++){`
 `for (int j = 0 ; j < columns ; j++){ }`
 `}`

Strings:

To define → `int str[size_of_your_string];`

To scan: `scanf (" %s " , str);` → Stops after encountering a space

`fgets (str, size_of_your_string, stdin);` → Doesn't stop after encountering a space