Collection of elements ✓ [1, "string", True]

- Lists ← [1, 2, 3, 4, 5] ←
- Tuples indexes: 0 1 2 3 4
- Strings
- Dictionary

Python

Lists ✓

Arrays (Similarity) | Difference

C/C++

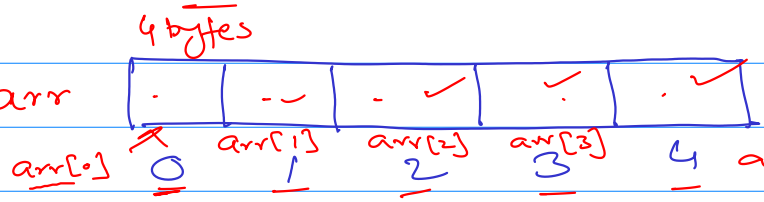
→ Multiple values ✓ | → Type ✓

→ Indexes ✓ | → size ← fix

4 bytes

arr

.	.	.	.	.
arr[0] 0	arr[1] 1	arr[2] 2	arr[3] 3	4 arr[4]



Contiguous Memory locations.

Syntax: int arr[5];

size

Two dimensional Array

int arr[2][3] = {

rows

columns

{ 1, 2, 3 },

{ 4 5 6 }

};

rows	0	1	2 ← Columns
0 →	1	2 ✓	3
1 →	4	5 ✓	6 ✓

```
for (int i=0; i<2; i++) ← rows
{
    for (int j=0; j<3; j++) ← Columns.
        cout << arr[i][j] << "\t";
    → cout << endl;
}
```

arr[0][0]

i = ~~0~~ 1; j = ~~0~~ ~~1~~ 2

Output

1	2	3
→ 4	5	6

Student

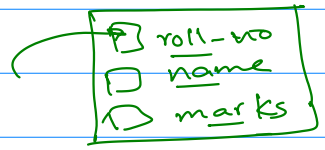
```
int roll-no;
string name;
float marks;
```

Structure

```
struct Student
{
    int roll-no;
    string name;
    float marks;
};
```

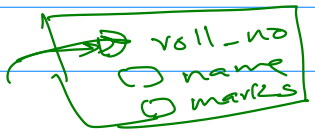
student s1;

s1



student s2;

s2



student s[5];

s

s[4].roll_no=123;

s[0].marks=25;

s[2].name = "Ali";