Lesson 30 Array Of Strings Part 2

In this lesson, we'll talk about **initializing** an **array of characters.**

char x[**3**][**5**] = { **"Amr","Omar","Ali"** };

- - > If we have a single group of names.

What if we have 3 groups of 5 students each?

- we'll use a 3d array.

char x[**3**][**3**][**6**]{

    {"ali","omar","amr"},

    {"jack","jan","ano"} ,

    {"alis","asr","flib"}

};

If the user enters the input:

```c
#include <stdio.h>
int main() {
    int i, j;
    char x[3][3][5];
    for (i = 0; i < 3; i++)
        for (j = 0; j < 3; j++)
            scanf("%s", x[i][j]);
```

```
for (i = 0; i < 3; i++) {
        for (j = 0; j < 3; j++)
                printf("%s ", x[i][j]);
        printf("\n");
    }
}
```

Try to code yourself:

- - > click here: [lesson 30 Array of Strings - Replit](#)