



lesson 32 Array of struct

In the previous lesson, we saw what a **struct** and how to declare and use it, but for **one** student.

If we suppose that we have **300** students, we can't declare the same struct 300 times. That's why we need an **array of structs**.

So the first student is going to be x[0] and second student x[1]..

How to **declare** an **array of structs** ?

```
#include <stdio.h>
struct student {
    char name[15], cell[20];
    int videos;
};
//Semicolon in the end
int main() {
    int i;
    struct student x[10];
    // هنا قمنا بحجز 10 اماكن
    for (i = 0; i < 3; i++) {
        printf("%d\n", i + 1);
```



```
printf("Name: ");
scanf("%s", x[i].name);
printf("cell: ");
scanf("%s", x[i].cell);
printf("videos: ");
scanf("%d", &x[i].videos);
}
for (i = 0; i < 3; i++) {
printf("%d\n", i + 1);
printf("Name : %s\n", x[i].name);
printf("Cell : %s\n", x[i].cell);
printf("Videos : %d\n", x[i].videos);
}
}
```

Try to code yourself:

- - > click here: [lesson 32 Array of Structs- Replit](#)