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https://youtu.be/YBCMOPzBoOI

**Theme: How to create and manipulate data structures in C**

Hello guys, gals, and pals. On this tutorial, you will *(hopefully)* learn how to create data structures on C, and how to manipulate them afterwards.

For starters, we need to know what a data struct in C is. They are, in a sense, a form which contains many other variables inside it. As an example, if you wanted to link 3 integers, say, 3 grades of a single student with their name, you could use one data struct.

C will treat this new struct as a new type of variable. If we called that set of variables a “registration”, we could define a “registration” struct. This is the way you would actually do that in C: ~writes it all out~

So, in this piece of code, we are defining a new data structure called “registration” that contains 4 variables, 3 of them being integers and 1 of them being a vector of characters. This is just the definition though, to actually use this struct, this new type of variable, we will need to call it on main.

~writes some more code~

Here, we wanna create a new variable type “registration”. After that, we are gonna ask the user to input the name and the 3 grades of that student. As you can see, to manipulate that struct’s variables, you use the variable name dot whatever the name of the properties you gave the struct in the start of the code.

So those are the basics of data structures on C. As always, practice makes perfect, so make sure you practice a *lot*. See you next time, if you liked the video, give subscribing a thought, g’bye.