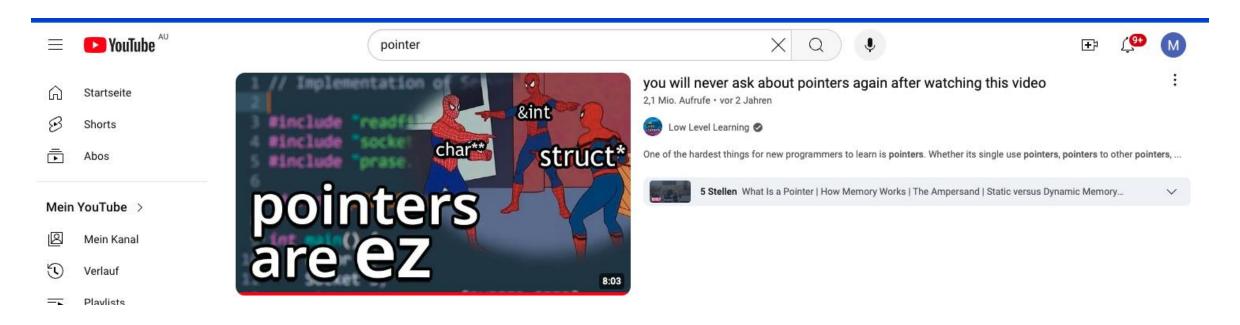
## Hello Class!

If you aren't familiar with **pointers** or would like a quick refresher, please watch the following video:

https://www.youtube.com/watch?v=2ybLD6\_2gKM



```
global variable called x
int x = 3;
int main(int argc, char **argv) {
                                          update global variable x
  printf("%d\n", x); // Output 1
                                                new local variable called x
  x = 7;
  int x = 4;
                                        ! this variable now shadows the global x!
  printf("%d\n", x); // Output 2
  x = 8;
  test();
                                          update local variable x
  return 0;
void test(void) {
  printf("%d\n", x);
                                          access global x
  return;
```

## Pointers

int cents	define a variable called <i>cent</i> s
scanf("%d", &cents)  the address of the variable cents	store the input at the address of <i>cent</i> s
int *cents	define a pointer called cents (not initialised)
int try_one_coin(int *cents) function	defining a function called try_one_coin: create a pointer called cents it will point at whatever is passed to the function as input
*cents	using inside a function: access the value stored at the address cents is pointing to

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