Lesson 28 String Header File

If we have two arrays, one is empty and the other contains a word, and we want them to both have the same word.

 How can we do so?

- We'll use the **string header file** (**"string.h"**).

#include <stdio.h>

#include <string.h>

//we included the header file that defines the strcpy function

int main() {

char x[ ] = "amr", y[5];

strcpy(y, x);

// copy the text in x into y

printf("%s", y);

}

output:

amr

Try to code yourself:

- - > click here: lesson 28 String Header File c1 - Replit

When we check if two **integers** are equal or not, we use the **== operator**.

What if we want to check whether two strings are the same?

- We'll use the **strcmp** function.

<div align="center">

if (strcmp(x, y) == 0)

</div>

```c
#include <stdio.h>
#include <string.h>
int main() {
    char x[ ] = "amr", y[5];
    strcpy(y, x);
    if (strcmp(x, y) == 0)
        printf("true");
    else
        printf("false");
}
```

Try to code yourself:

- - > click here: [lesson 28 String Header File c2 - Replit](#)

What if we want to append a string to the end of another string?

- we'll use the **strcat** function

```c
#include <stdio.h>
#include <string.h>
int main() {
    char x[ ] = "Amr", y[ ] = " Ali";
    strcat(x, y);
    //to append the string in y to the end of the string in x
    printf("%s",x);
}
```

output:

Amr Ali

Try to code yourself:

- - > click here: lesson 28 String Header File c3 - Replit