

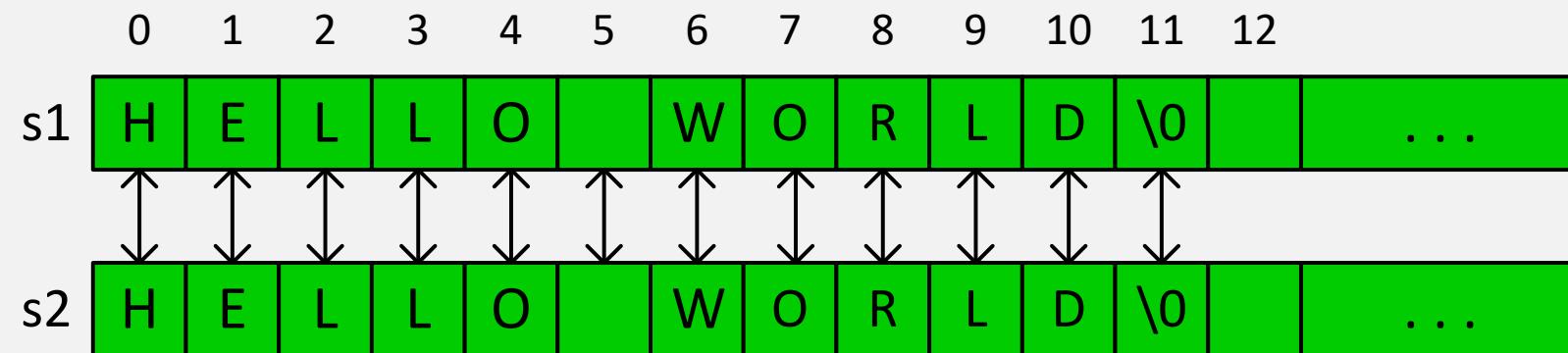
# STRCMP

C-String Compare

# THE STRCMP FUNCTION

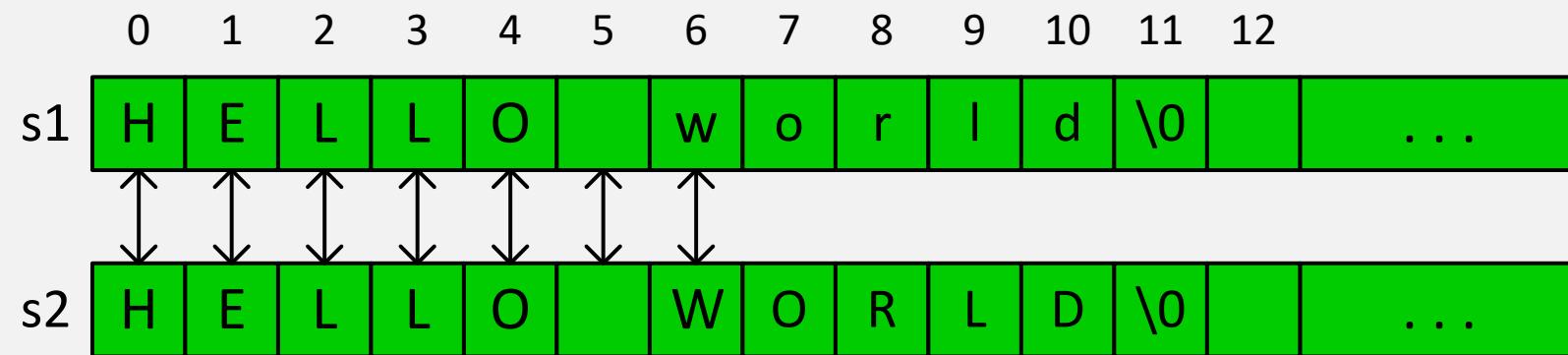
- Comparing two strings for equality is a common and necessary operation
- There is no C-string equality operator or function
- Use the string compare function: `int strcmp(char* s1, char* s2)`
  - `strcmp` is an ordering function based on the ASCII code that returns
    - $< 0$  if `s1` comes before `s2`
    - $0$  if `s1` and `s2` are the same
    - $> 0$  if `s2` comes before `s1`

## STRCMP: EXAMPLE I



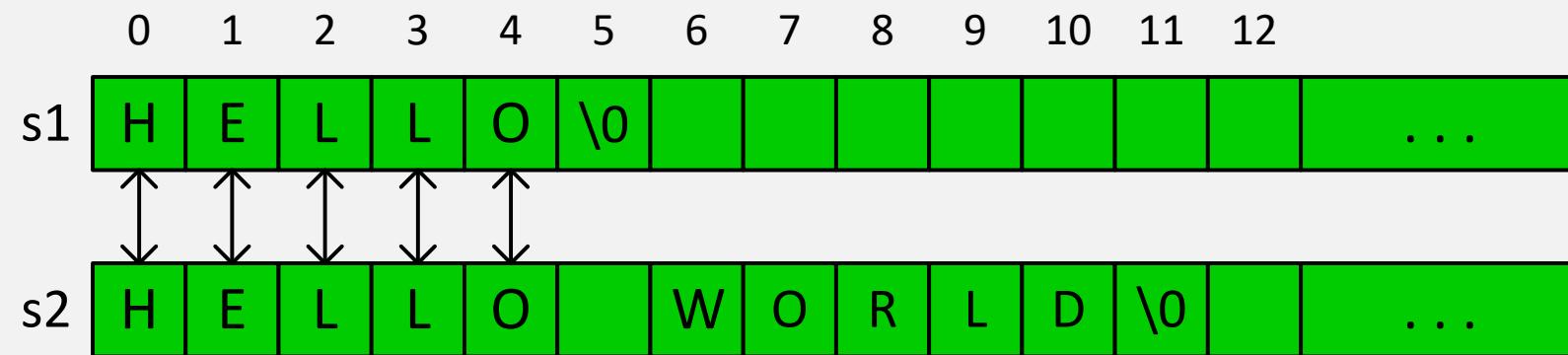
```
char* s1 = "HELLO WORLD";
char* s2 = "HELLO WORLD";
if (strcmp(s1, s2) == 0) -or- if (!strcmp(s1, s2))
```

## STRCMP: EXAMPLE 2



```
char* s1 = "HELLO world;  
char* s2 = "HELLO WORLD";  
if (strcmp(s1, s2)) . . .
```

## STRCMP: EXAMPLE 3



```
char* s1 = "HELLO";
char* s2 = "HELLO WORLD";
if (strcmp(s1, s2)) . . .
```