

# C Output (Print Text)

## Output (Print Text)

To output values or print text in C, you can use the `printf()` function:

### Example

```
#include <stdio.h>

int main() {
    printf("Hello World!");
    return 0;
}
```

## Double Quotes

When you are working with text, it must be wrapped inside double quotations marks `"`.

If you forget the double quotes, an error occurs:

### Example

```
printf("This sentence will work!");

printf(This sentence will produce an error.);
```

## Many `printf` Functions

You can use as many `printf()` functions as you want. **However**, note that it does not insert a new line at the end of the output:

### Example

```
#include <stdio.h>

int main() {
    printf("Hello World!");
    printf("I am learning C.");
    printf("And it is awesome!");
    return 0;
}
```

# New Lines

To insert a new line, you can use the `\n` character:

## Example

```
#include <stdio.h>

int main() {
    printf("Hello World!\n");
    printf("I am learning C.");
    return 0;
}
```

You can also output multiple lines with a single `printf()` function. However, this could make the code harder to read:

## Example

```
#include <stdio.h>

int main() {
    printf("Hello World!\nI am learning C.\nAnd it is awesome!");
    return 0;
}
```

**Tip:** Two `\n` characters after each other will create a blank line:

## Example

```
#include <stdio.h>

int main() {
    printf("Hello World!\n\n");
    printf("I am learning C.");
    return 0;
}
```

### What is `\n` exactly?

The newline character (`\n`) is called an **escape sequence**, and it forces the cursor to change its position to the beginning of the next line on the screen. This results in a new line.

Examples of other valid escape sequences are:

| Escape Sequence | Description                                      |
|-----------------|--|
| <code>\t</code> | Creates a horizontal tab                         |
| <code>\\</code> | Inserts a backslash character ( <code>\</code> ) |
| <code>\"</code> | Inserts a double quote character                 |