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# Conditional Statements in C \*

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#### Objective

if and else are two of the most frequently used conditionals in C/C++, and they enable you to execute zero or one conditional statement among many such dependent conditional statements. We use them in the following ways:

1. if: This executes the body of bracketed code starting with **statement1** if **condition** evaluates to true.

```
if (condition) {
    statement1;
    ...
```

2. if - else: This executes the body of bracketed code starting with **statement1** if **condition** evaluates to true, or it executes the body of code starting with **statement2** if **condition** evaluates to false. Note that only one of the bracketed code sections will ever be executed.

```
if (condition) {
    statement1;
    ...
}
else {
    statement2;
    ...
}
```

3. if - else if - else: In this structure, dependent statements are chained together and the *condition* for each statement is only checked if all prior conditions in the chain are evaluated to false. Once a *condition* evaluates to true, the bracketed code associated with that statement is executed and the program then skips to the end of the chain of statements and continues executing. If each *condition* in the chain evaluates to false, then the body of bracketed code in the else block at the end is executed.

```
if(first condition) {
    ...
}
else if(second condition) {
    ...
}
.
else if((n-1)'th condition) {
    ...
}
else {
    ...
}
```

#### Task

Given a positive integer denoting  $\boldsymbol{n}$ , do the following:

- If  $1 \le n \le 9$ , print the lowercase English word corresponding to the number (e.g., one for 1, two for 2, etc.).
- If n > 9, print Greater than 9.

#### Input Format

The first line contains a single integer, n.

# Constraints

```
• 1 \le n \le 10^9
```

## **Output Format**

If  $1 \le n \le 9$ , then print the lowercase English word corresponding to the number (e.g., one for 1, two for 2, etc.); otherwise, print Greater than 9 instead.

#### Sample Input

5

#### Sample Output

five

## Sample Input #01

8

#### Sample Output #01

eight

## Sample Input #02

44

# Sample Output #02

Greater than 9

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```
53 :
```

```
1
    #include <assert.h>
    #include <limits.h>
 2
    #include <math.h>
    #include <stdbool.h>
 4
    #include <stddef.h>
 5
 6
    #include <stdint.h>
    #include <stdio.h>
    #include <stdlib.h>
9
    #include <string.h>
10
11
    char* readline();
12
13
14
15
    int main()
16
     {
17
         char* n_endptr;
         char* n_str = readline();
18
        int n = strtol(n_str, &n_endptr, 10);
19
20
21
        if (n_endptr == n_str || *n_endptr != '\0') { exit(EXIT_FAILURE); }
22
         // Write Your Code Here
23
24
25
         return 0;
26
    }
27
28
    char* readline() {
         size_t alloc_length = 1024;
29
30
         size_t data_length = 0;
         char* data = malloc(alloc_length);
```

Line: 59 Col: 1

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