Type Casting in C

Typecasting allows us to convert one data type into other. In C language, we use cast operator for typecasting which is denoted by (type).

Syntax:

1. (type)value;

Note: It is always recommended to convert the lower value to higher for avoiding data loss.

**Without Type Casting:**

1. **int** f= 9/4;
2. printf("f : %d\n", f );//Output: 2

**With Type Casting:**

1. **float** f=(**float**) 9/4;
2. printf("f : %f\n", f );//Output: 2.250000

Type Casting example

Let's see a simple example to cast int value into the float.

1. #include<stdio.h>
2. **int** main(){
3. **float** f= (**float**)9/4;
4. printf("f : %f\n", f );
5. **return** 0;
6. }

Output:

f : 2.250000