

# Introduction to C programming

by Coding-Bootcamps.com

## project 4

### C Program to check if number is even or odd

If a number is exactly divisible by 2 then its an even number else it is an odd number. In this article we have shared two ways(Two C programs) to check whether the input number is even or odd. 1) Using Modulus operator(%) 2) Using Bitwise operator.

#### Program 1: Using Modulus operator

```
/* Program to check whether the input integer number
 * is even or odd using the modulus operator (%)
 */
#include<stdio.h>
int main()
{
    // This variable is to store the input number
    int num;

    printf("Enter an integer: ");
    scanf("%d",&num);

    // Modulus (%) returns remainder
    if ( num%2 == 0 )
        printf("%d is an even number", num);
    else
        printf("%d is an odd number", num);

    return 0;
}
```

#### Program 2: Using Bitwise operator

```
/* Program to check if number is even or odd
 * using bitwise operator
 */
```

```
#include<stdio.h>

int main()
{
    int n;

    printf("Enter an integer: ");
    scanf("%d",&n);

    if ( n & 1)
        printf("%d is an odd number", n);
    else
        printf("%d is an even number", n);

    return 0;
}
```