

Writeup by Razvi  
[RazviOverflow](#) [Twitter](#) [Github](#)

# Integer Operations



February the 20th 2020

# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Challenge description . . . . .	1
1.2	Context . . . . .	1
1.3	Integer Overflow . . . . .	1
<b>2</b>	<b>Level 1: Basics of addition</b>	<b>2</b>
<b>3</b>	<b>Level 2: Basics of subtraction</b>	<b>3</b>
<b>4</b>	<b>Level 3: Simple equation</b>	<b>4</b>
<b>5</b>	<b>Level 4: Twisting the numbers</b>	<b>5</b>
	<b>Bibliography</b>	<b>7</b>

# 1. Introduction

## 1.1 Challenge description

**Title:** Integer Operations

**Description:** You are back to school learning about addition, subtraction and equations with integers. You'll have to fully understand how they behave in order to pass the exam.

## 1.2 Context

Some easy introduction here.

## 1.3 Integer Overflow

Some references about integer overflow.

## 2. Level 1: Basics of addition

### 3. Level 2: Basics of subtraction

#### 4. Level 3: Simple equation

## 5. Level 4: Twisting the numbers

## Acknowledgments

A huge thank [Ricardo J. Rodriguez](#), who first taught me about binary exploitation and inspired me to keep learning and go deeper into it.



## Bibliography

- [1] Thomas D Economon, Francisco Palacios, Sean R Copeland, Trent W Lukaczyk, and Juan J Alonso. Su2: An open-source suite for multiphysics simulation and design. *Aiaa Journal*, 54(3):828–846, 2015.