**Problem Set 1**

## Check if a Number is Positive or Negative in Java

## Check Whether a Number is Even or Odd in Java

## Find the Sum of First N Natural Numbers in Java

## Find the Greatest of the Two Numbers in Java

## Find the Sum of the Numbers in a Given Interval in Java

## Find the Greatest of the Three Numbers in Java

## Check Whether or Not the Year is a Leap Year in Java

## Write a program to check if a given number is prime or not in java

## Find all the Prime Numbers in a Given Interval in Java

## Find the Sum of the Digits of a Number in Java Language

1. **Find the Reverse of a number**
2. **Find the Palindrome number**
3. **Find the Armstrong number**
4. **Find all Armstrong number in a given range**
5. **Fibonacci Series upto nth term**
6. **Find the Nth Term of the Fibonacci Series**
7. **Factorial of a number**
8. **Power of a number**
9. **Factor of a number**
10. **Strong number (sum of factorial of digits is equals to number itself)**
11. **Perfect number (**a positive integer that is equal to the sum of its proper divisors)
12. **Perfect Square (**A perfect square is a positive [integer](https://www.cuemath.com/numbers/integers/) that is obtained by multiplying an integer by itself)
13. **Harshad number(**number which is divisible by the sum of its digits)
14. **Abundant number(**If the sum of all its proper divisors, denoted by sum(n), is greater than the number's value)
15. **Friendly pair(**, the ratio between the sum of [divisors](https://en.wikipedia.org/wiki/Divisor) of a number and the number itself.)

**Input: 6 28**