### **1. Program to Find the Sum of Digits of a Given Number**

**Input:**

**Enter a number: 12345**

**Output:**

**Sum of digits: 15**

### **2. Program to Print the Lucas Series up to the Given Number of Terms**

**The Lucas series starts with 2, 1, and the next terms are calculated as the sum of the two previous terms.**

**Input:**

**Enter number of terms to print in the Lucas series: 5**

**Output:**

**Lucas Series up to 5 terms: 2, 1, 3, 4, 7**

### **3. Program to Check Whether a Number is a Perfect Number or Not**

**A perfect number is a number whose sum of divisors equals the number itself.**

**Input:**

**Enter a number: 28**

**Output:**

**28 is a Perfect Number**

**4. Divide Two Integers Without Using Division Operators**

**Input:**

**Enter first number: 20**

**Enter second number: 4**

**Output:**

**20 divided by 4 is: 5**

### **5. Find Power Without Using Math.pow() Function**

**Input:**

**Enter base: 2**

**Enter exponent: 4**

**Output:**

**2 raised to the power 4 is: 16**

### **6. Convert Uppercase to Lowercase and Lowercase to Uppercase Without Using Inbuilt Functions**

**Input:**

**Enter a character: a**

**Output:**

**Converted Character: A**