

# Lab: For Loop

Test your tasks in the Judge system: <https://judge.softuni.org/Contests/4404>

## 1. Numbers in Range

Write a program that prints numbers in a given range:

- Reads **two integer numbers** from the console
- **First integer number** represents the **start of the range**
- **Second integer number** represents the **end of the range**
- Print the numbers **in the given range (include start and end number)**, each on the new line

**Note:** The first given integer will always be smaller than the second given integer.

### Example

Input	Output
5	5
10	6
	7
	8
	9
	10

Input	Output
1	1
8	2
	3
	4
	5
	6
	7
	8

Input	Output
10	10
15	11
	12
	13
	14
	15

## 2. First N Numbers Sum

Write a program, which **sums the numbers 1...n**:

- Reads an integer number **n** from the console
- Sums all numbers from **1** to **n**
- Prints the **numbers and the sum** on the console as shown below

### Example

Input	Output
5	1+2+3+4+5=15

Input	Output
6	1+2+3+4+5+6=21

Input	Output
3	1+2+3=6

### 3. Sum Numbers

Write a program to **sum given N numbers**:

- Read **integer number n** – the count of numbers to sum
- Read **n floating-point numbers** and print their **sum**

#### Example

Input	Output
3 10 20 30	60

Input	Output
4 2.5 3.5 0.3 0.9	7.2

Input	Output
2 4.5 3.5	8

### 4. Numbers Ending in 7

Write a program that prints **numbers ending in 7** in given range:

- Reads an **integer number n** – end of the range
- Prints all numbers from **7** to **n**, ending in 7

#### Example

Input	Output
27	7 17 27

Input	Output
40	7 17 27 37

Input	Output
50	7 17 27 37 47

### 5. Numbers From 1 to N over 3

Write a program that prints **numbers** in given range **over 3**:

- Reads an **integer number n** – end of the range
- Prints all numbers from **1** to **n**, over 3 (**inclusively**)

#### Example

Input	Output
10	1 4 7 10

Input	Output
17	1 4 7 10

Input	Output
20	1 4 7 10

				13			13
				16			16
							19

## 6. Exam Countdown

Write a program to print a **countdown to an exam**:

- Read an integer number **d**: the count of days before an exam
- For each day **d...1** print: "**{currentDay} days before the exam**"
- At the end print: "**The exam has come**"

### Example

Input	Output
3	3 days before the exam 2 days before the exam 1 days before the exam The exam has come

Input	Output
4	4 days before the exam 3 days before the exam 2 days before the exam 1 days before the exam The exam has come

## 7. Latin Letters

Write a program to print the **Latin letters in certain range**:

- Read **two letters (chars)**, each on separate line
- Print all letters in the specified range **inclusively**

### Example

Input	Output
a c	a b c

Input	Output
f q	f g h i j k l m o p q

Input	Output
W Z	W X Y Z