

# Exercises: Python Intro

Problems for exercises and homework for the [“Python Fundamentals” course @ SoftUni](#). Submit your solutions in the SoftUni judge system at <https://judge.softuni.bg/Contests/917>.

## 1. Hello World

Write a Python program that prints out a simple **“Hello World!”** to get acquainted with writing Python code.

### Examples

Input	Output
(no input)	Hello World!

## 2. Person Info

Write a Python program, which reads a person’s **name**, **age**, **town** and **salary**, and prints it back to the **console** with the **following format**:

**“{name} is {age} years old, is from {town} and makes \${salary}”**

*Note: Leave floating point numbers **unformatted**.*

### Examples

Input	Output
Gosho 20 Sofia 530	Gosho is 20 years old, is from Sofia and makes \$530.0

Input	Output
Pesho 22 Plovdiv 450	Pesho is 22 years old, is from Plovdiv and makes \$450.0

### Hints

- To format a string, you can either use the **.format()** function, or a **template string (f'format')**

## 3. Extended Person Info

Write a Python program, which reads information about a **person** in the **same format** as the previous problem, and prints it back to the **console** with the **following format**:

Name: {name}
Age: {age}
Town: {town}
Salary: \${salary}

**Age range: {ageRange}**  
**Salary range: {salaryRange}**

Format the **salary** to the **2<sup>nd</sup> decimal point**.

The **age range** is as follows:

- If the person is **less than 18** years old, they are a **“teen”**
- If the person is **less than 70** years old, they are an **“adult”**
- Otherwise, the person is an **“elder”**

The **salary range** is as follows:

- If the salary is **less than \$500**, it is **“low”**
- If the salary is **less than \$2000**, it is **“medium”**
- Otherwise, the salary is **“high”**

## Examples

Input	Output
Gosho 20 Sofia 530	Name: Gosho Age: 20 Town: Sofia Salary: \$530.00 Age range: adult Salary range: medium

Input	Output
Pesho 17 Plovdiv v 4500	Name: Pesho Age: 17 Town: Plovdiv Salary: \$4500.00 Age range: teen Salary range: high

Input	Output
Ivan 77 Montana a 250	Name: Ivan Age: 77 Town: Montana Salary: \$250.00 Age range: elder Salary range: low

## 4. Numbers from 1 to 10

Write a simple **for loop**, with which to print all the **numbers from 1 to 10 on separate lines**.

Use the **range()** function.

## Examples

Input	Output
(no input)	1

	2
	3
	4
	5
	6
	7
	8
	9
	10

## Hints

- The `range()` function generates an **exclusive range**, so using **10** as an **end value** probably won't work.

## 5. Numbers with Step

Write a python program, which receives a **start number**, an **end number** and a **step**. Write a simple **for loop**, which prints all the numbers from the **start number** to the **end number**, using the **specified step**. Print the numbers on **separate lines**.

Use the `range()` function.

## Examples

Input	Output
1	1
10	2
1	3
	4
	5
	6
	7
	8
	9

Input	Output
-20	-20
20	-18
2	-16
	-14
	-12
	-10
	-8
	-6
	-4
	-2
	0
	2
	4
	6
	8
	10
	12
	14
	16
	18