# Lab: Data Types and Variables

Submit your solutions here: <https://alpha.judge.softuni.org/contests/data-types-and-variables-lab/4625>

## Hello C#

Write a program that, **prints "Hello C#"** on the console.

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| *(no input)* | Hello C# |

## Print 5 \* 5

Write a program that:

* Calculate **the value of 5 \* 5**
* Prints the **result at the console**

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| *(no input)* | 25 |

## Name and Expression

Write a program that:

* Print your **name on the first line**
* Calculate and print the **expression 5 + 3 at the second line**

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| *(no input)* | Desislava  8 |

## Calculations

Write a program, which **calculates** and **prints** the value of the following **expressions**:

* **5 + 3 \* 2**
* **4 \*  (2 + 3)**
* **(2 + 5)  \*  (8 - 2)  / 7**

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| *(no input)* | 11  20  6 |

## Greeting

Write a program that:

* Reads from the console your **name**
* Prints **"Hello {name}"**

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| Desislava | Hello Desislava |
| Ivan | Hello Ivan |

## Customer Info

Write a program that:

* Reads customer's **first name**, **last name** and **email**
* Prints the read data in the following format:

**"Customer: {first name} {last name} ({email})"**

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| Desislava  Topuzakova  d.topuzakova@softuni.bg | Customer: Desislava Topuzakova (d.topuzakova@softuni.bg) |
| Ivan  Ivanov  i.ivanov@abv.bg | Customer: Ivan Ivanov (i.ivanov@abv.bg) |

## Person Info

Write a program to read and print **info about a person**:

* Reads 4 lines of input: **first name, last name, country and town**
* Prints information about a person in the following format:

**"{first name} {last name} from {country} – {town}!"**

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| Desislava  Topuzakova  Bulgaria  Stara Zagora | Desislava Topuzakova from Bulgaria – Stara Zagora! |
| Ivan  Ivanov  England  London | Ivan Ivanov from England – London! |

## Town Info

Write a program to read and print **info about a town**:

* Reads 2 lines of input: **town** **name and country**
* Prints information about a town in the following format:

**"{town name} is in {country}"**

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| Chiang Mai  Thailand | Chiang Mai is in Thailand |
| Sofia  Bulgaria | Sofia is in Bulgaria |

## Days to Minutes

Write a program to convert **days to minutes**:

* Read a single **integer** (the **days** to be converted)
* Convert the days to minutes (1 day = 24 hours \* 60 minutes)
* Print the **minutes** in the following format**: "Minutes = {calculated minutes}"**

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| 2 | Minutes = 2880 |
| 5 | Minutes = 7200 |
| 7 | Minutes = 10080 |

## 10. Calculate Speed

Write a program that:

* Read **two floating-point numbers**: **distance** and **time**
* Calculate the speed needed to travel the specified distance for the specified time:

**speed = distance / time**

* Print the **calculated speed** formatted to **2nd digit**

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| 15  2 | 7.50 |
| 15  2.2 | 6.82 |