# Lab: Introduction to PHP

## Hello World

Write a simple program that prints the following text: "**Hello World!**".

## Numbers 1 to 10

Write a simple program that prints **numbers from 1 to 10**, each on separate line.

## Calculate Rectangle Area

### Write a simple program that:

* Use **two whole numbers**, which will represent **length and width of the rectangle**
* Calculates **given rectangle area**
* Print the **area of the rectangle**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 5  7 | 35 |

|  |  |
| --- | --- |
| **Input** | **Output** |
| 6  8 | 48 |

## Convertor Inches to Centimeters

Write a simple program:

* Use a **real number,** which represents quantity of **inches**
* Convert given **inches** to **centimeters**
* Multiply the quantity of **inches by 2.54** (1 inch = 2.54 centimeters)
* Print the **calculated centimeters**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 5 | 12.7 |

|  |  |
| --- | --- |
| **Input** | **Output** |
| 7 | 17.78 |

## Calculate Circle Area

Write a simple program that:

* Use a **real number**, which represents **circle radius**
* Calculate the **area of a circle** based on the **provided radius**
* Formula for the area of a circle is **area = π \* r \* r**, where π (pi) is approximately **3.14159** and **r** is the radius
* Print the **calculated area**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 5 | 78.54 |

## String Length

Write a simple program that:

* Use a **text** (string)
* Calculate the **length** of the **string**
* Print the **length** of the **string**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| chocolate | 9 |
| pasta | 5 |

## Largest Number

Write a simple program that: that takes **three number arguments** as input and finds the **largest** of them.

* Use **three real numbers**
* Find the **largest number** from the given three
* Print the following text: **"The largest number is {number}."**

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| 5  -3  16 | The largest number is 16. |
| -3  -5  -22.5 | The largest number is -3. |

## Sum of Numbers N…M

Write a simple program that:

* Use **two integer (whole) numbers N and M**
* Find the **sum of all numbers from N to M (inclusively)**
* Print the **calculated sum**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 1  5 | 15 |
| -8  20 | 174 |

## Day of Week

Write a simple program that:

* Uses an integer number
* Print:
  + "Monday" if the number is equals to 1
  + "Tuesday" if the number is equals to 2
  + "Wednesday" if the number is equals to 3
  + "Thursday" if the number is equals to 4
  + "Friday" if the number is equals to 5
  + "Saturday" if the number is equals to 6
  + "Sunday" if the number is equals to 7

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Monday | 1 |
| Friday | 5 |