

# SWE322\_Advanced Web Programming

## Lab 2

### PHP basics

- Due date: **Monday 19<sup>th</sup>, of February 2024.**
  - Work INDIVIDUALLY. No group work is accepted.
  - Stick to deadlines! Late assignments will not be accepted.
  - Submit your solution to the LMS system, do not send it by email.
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#### Question 1.

Write a PHP program that checks if a variable `$temperature` is between 20 and 30 degrees Celsius. If it is, print "The temperature is comfortable". If it's below 20 or above 30, print "The temperature is not comfortable".

#### Question 2.

Create a PHP code that uses a for loop to iterate over an array of numbers. Double each element in the array and store the result in a new array.

#### Question 3.

Create an associative array named `$student` representing a student with the following details:

Name: John Doe

Age: 20

Address: USA

Major: Computer Science

Phone number: (613) 799-4328

Email: `jdoe@sun.edu`

GPA: A

When you run your PHP code, it displays the student's information as indicated below:

## Student Details

Field	Value
Name	John Doe
Age	20
Address	USA
Major	Computer Science
Phone	(613) 799-4328
Email	jdoe@sun.edu
GPA	A

### Question 4.

Create an indexed array named \$numbers containing the values

[10, 40, 50, 100, 80, 90, 30, 60]

Calculate and print the sum of all elements in the array.

Calculate and print the average of all elements in the array.

Sort the array in ascending order.

Sort the array in descending order.

Reverse the order of elements in the array and print the reversed array.

### Question 5

Write a PHP program that takes a sentence as input and converts it to title case (the first letter of each word capitalized) before printing it.