*Fall 2021*

**CSC/BIF 243**

**Introduction to Object Oriented Programming**

*Course Instructor: Joe Khalife*

Lab3

**Problem 1**

**Evaluating string Expressions**:

Enter the following assignment statement into the Python shell:

**s = *Your First and Last name*** *such: s = “Joe Khalife”*

Complete the following Table.

**Table

Description automatically generated**

**Problem 2**

**Write a program that reads an integer value which is always five digits and prints it in reverse leaving 2 spaces between them.**

**Input**

**45632**

**Output**

**2 3 6 5 4**

**Problem 3**

**Write a program that reads a value representing a number of seconds. Print the equivalent amount of time in hours, minutes and seconds.**

**Problem 4**

**Write a program that reads** a 2-word String separated with a space. Duplicate each word alone and then concatenate them print two strings:

The first printed String must be separated with a space in-between and the second printed String all stuck together. Remember you can always use the ‘+’ sign to concatenate Strings.

**Input**

Enter a 2-word String: Hi class

**Output**

HiHi classclass (here the 2 strings are separated by a space)

HiHiclassclass (here it’s not!)

**Problem 5**

**Write a program that** asks the user to enter his/her first name and age number separated by space. Then print the following:

Hi, my ***name*** and I am ***age*** years old.

I will be in ***x*** years, 90 years old.

**Input**

Enter your name and age (separated by a space): Simon 21

**Output**

Hi, my name is **Simon** and I am **21** years old

I will be in **69** years, 90 years old.

**Problem 6**

**Write a program that reads the (x,y) coordinates for two points (x1, y1) and (x2, y2). Compute the distance between the two points using the following formula:**

**Distance **

**Input**

**2 3 and 6 5**

**Output**

**d = 4.47214**

Delivery:

??

**Attention!**

**Policy on Cheating and Plagiarism:**

**Plagiarism on assignments and project work is a serious offense. If plagiarism is detected, a student will be subject to penalty, which ranges from receiving a zero on the assignment concerned to an “F” in the course.**