

Lab Assignment 01



Inspiring Excellence

Course Code:	CSE111
Course Title:	Programming Language II
Topic:	Input, Output, Operators, and Branching
Number of Tasks:	11

Task 1

Write the Java code for the following:

- Declare an **integer** variable. Initialize it with some value of your choice and print it to check the value has been stored properly.
- Declare and initialize another **integer** variable. Add this to the first one (without creating a new variable) and print out the result. Verify that the addition has been done correctly.
- Now print the product and division of the two **integer** numbers.
- Repeat exercises 1A, 1B, and 1C for variables of data type **double**. Verify your answers.
- Repeat exercises 1A, 1B, and 1C for one **double** data type and one **integer** datatype. Verify your answers.
- Repeat exercises 1A and 1B for variables of data type **String**. How does the addition operator work for Strings? What if the first variable is an integer and the second is a String and vice versa?
- Repeat 1A and 1B for integers taken as inputs from the user.

Task 2

Write a Java program declaring two integer variables and initializing them. Your task is to swap the values of these two variables. You must complete it using two different approaches.

- By Creating a third variable.
- By using the XOR operation.

- Without creating any other variables.

Task 3

Write a Java program that displays the 2 rightmost digits of your student ID in reverse order. For example, if your student id is 23221454, you need to print 4, and then 5.

Sample Input	Output
23221454	4 5

Task 4

Write a Java code to display the multiplication table for a positive integer 'n'. The table should include the products of 'n' with each of the numbers from 1 to 10. For example, if n = 5, your code should output:

5 x 1 = 5

5 x 2 = 10

5 x 3 = 15

...

5 x 10 = 50

[You are not allowed to use loops to solve this problem.]

