Lab 1 – Introduction to Programming

**Instruction:**

1. Take a screenshot of the final output of each question.
2. All screenshots must be labelled according to the question.
3. Submit a single PDF file – All screenshots must be combined into a single file/document.

**Tasks:**

1. Write a Java program to print 'Hello' on the screen and your name on a separate line.

Expected Output:

Hello

Tom Deal

1. Write a Java program to divide two numbers and print the answer on the screen. Explain what you notice about what is displayed as the output.

Test Data:

11/2

Expected Output:

5

1. Write a Java program to print the results of the following operations.

Test Data:

a. -5 + 8 \* 6

b. (55+9) % 9

c. 20 + -3\*5 / 8

d. 5 + 15 / 3 \* 2 - 8 % 3

Expected Output:

43

1

19

13

1. Write a Java program to display the following pattern.

Sample Pattern:

A group of black letters

Description automatically generated

1. Carly’s Catering provides meals for parties and special events. Write a program that displays Carly’s motto, which is “Carly’s makes the food that makes it a party.” Then, surround the motto with a border composed of asterisks.
2. Sammy’s Seashore Supplies rents beach equipment such as kayaks, canoes, beach chairs, and umbrellas to tourists. Write a program that displays Sammy’s motto, which is “Sammy makes it fun in the sun.” Display the motto surrounded by a border Composed of repeated Ss.
3. Write, a program that displays your favorite movie quote, the movie it comes from, the character who said it, and the year of the movie. NOTE: The space between each line must show.

An example of the program is shown below:

Rosebud,

said by Charles Foster Kane

in the movie Citizen Kane

in 1941.