

Exercise 1: Practice using printf statement

Write a C program to,

- i. Display your name.
- ii. Display the message “Welcome to SLIIT” with each word on a separate line.
(hint: use one printf statement)
- iii. Display the message “Welcome to SLIIT” with the words separated by tabs.
- iv. Display the following shapes with asterisks.

```
*****      ***      *      *
*      *      *      *      **      ***
*      *      *      *      ***      ****
*      *      *      *      ****      *
*      *      *      *      *****      *
*****      ***      *****      *
```

Exercise 2 : Draw flowcharts to,

- i. Print “Hello World”
- ii. Calculate the perimeter and area of a rectangle given the length and the width.
- iii. Input the marks of two subjects and calculate the average mark.

Exercise 3: Analyse the following scenarios and identify the input, output and calculation

- i. Convert Celsius to Fahrenheit.
- ii. To travel from home to SLIIT Campus, a particular student needs to take three buses. Input the fares of each bus and estimate the traveling expenditure of the student for the entire semester.

(Assume that there are 5 days per week and 14 weeks for the semester).
- iii. A company is planning to give bonus to all the employees during the festive season. 20% of the basic salary of an employee is given as the bonus. Calculate the bonus.