### **ASSIGNMENT 2**

### **Objective**

Install GCC (or Clang) and run simple C programs on a Linux VM.

### **Tools**

* build-essential (GCC, make)
* Text editor: nano, vim, or an IDE (CodeLite/NetBeans)

**Key Commands**

**sudo apt update**

**sudo apt install -y build-essential**

**gcc --version**

**# compile**

**gcc hello.c -o hello**

**./hello**

**# with warnings**

**gcc -Wall -Wextra -O2 hello.c -o hello**

**Sample programs**

**#include <stdio.h>**

**int main(void) {**

**int a, b;**

**printf("Enter two integers: ");**

**if (scanf("%d %d", &a, &b) == 2) {**

**printf("Sum = %d\n", a + b);**

**} else {**

**printf("Invalid input\n");**

**}**

**return 0;**

**}**

### **Results**

* **The gcc compiler is successfully installed and c programs are executed with it.**