North South University
Department of Electrical and Computer Engineering
CSE 115L: Programming Language I Lab (Section: 06)
Spring 2020

Lab Instructor: Tasmia Rahman Shahidi
Email: tasmia.shahidi@northsouth.edu
Class Time: MW 4:20 PM - 5:50 PM
Group Link: https://www.facebook.com/groups/218989972460520/

Mark Distribution:

1. Attendance   5%
2. Lab Performance   15%
3. Assignment   10%
4. Project   20%
5. Midterm   20%
6. Final   30%

Schedule (Tentative):

Class	Topic
Week 01	Introduction
Week 02	If-else and conditional statements
Week 03	Loop
Week 04	Functions
Week 05	Arrays
Week 06	2-D Arrays
Week 07	Pointers
Week 08	Strings
Week 09	Recursion
Week 10	Structure
Week 11	File I/O

```
/*your first program*/

#include <stdio.h>

int main(void)
{
        printf("Hello world!\n");
}
```

Example 1: Write a program that prints: "**North South University**" Hello class of cse115L!! Welcome to NSU.	**Example 2:** Data type and simple input-output
```#include<stdio.h> int main(void) { printf("\t\"North South University\"\n"); printf("Hello class of cse115L!! Welcome to NSU. \n"); return 0; } ```	```#include<stdio.h> int main(void) { printf("%d\n", 5); printf("integer: %d\n", 5); printf("float: %f\n", 5.0); printf("char: %c\n", 'c'); printf("string: %s\n", "Hello"); int a; scanf("%d", &a); printf("\na = %d", a); return 0; } ```

Example 3: Write a program that prompts the user to insert an integer value, a decimal number and his name and print the inserted value as output.	**Example 4:** Write a program that prompts the user to insert two integers, add those numbers and print the result as output.
```c#include<stdio.h>int main(void){ int num; float deci; printf("Enter a number:"); scanf("%d",&num); printf("The number is %d\n",num); printf("Enter a decimal number:"); scanf("%f",&deci); printf("The number is %f\n",deci); return 0;}```	```c#include<stdio.h>int main(void){ int number1; int number2, sum; //int number1, number2, sum; printf("Enter a number: "); scanf("%d", &number1); printf("Enter a number: "); scanf("%d", &number2); /* printf("Enter two integers: \n"); scanf("%d %d", &number1,&number2); */ sum = number1 + number2; printf("Summation: %d\n", sum); return 0;}```

Tasks:

1. Write a program that prompts the user to insert two integers, subtract the second input number from the first and print the result as output.

Sample input	Sample output
Enter two numbers: 2 5	Result: 3

2. Write a program that prompts the user to insert two integers, print the product of the two numbers and also divide the second input number by the first and print the result as output.

Sample input	Sample output
Enter two numbers: 2 7	Product: 14 Quotient: 3 Remainder: 1