



## CSE115L Week:01 Lab: 01

Name:

ID:

Section:

Example 1: Write a program that prints:

```
"North South University"
Hello class of cse115L!! Welcome to NSU.
```

```
#include<stdio.h>
#include<stdlib.h>
int main()
{
printf("\t \" North South University\" \n \n");
printf("Hello class of cse115L!! Welcome to NSU. \n");
}
```

Example 2: Write a program that prompts the user to insert an integer and a decimal number.print the inserted values as output.

```
#include<stdio.h>
int main()
{
int num;
float deci;

printf("Enter an Integer number:");
scanf("%d",&num);
printf("The number is %d\n",num);
printf("Enter a decimal number:");
scanf("%f",&deci);
printf("The number is %.2f\n",deci);
return
}
```

### Example 3: Data types and their size in C

```
#include<stdio.h>

int main()
{
    int a;
    float b;
    double c;
    char d;
    long int longInt;
    signed int no;
    printf("Size of int: %d bytes\n",sizeof(a));
    printf("Size of float: %d bytes\n",sizeof(b));
    printf("Size of double: %d bytes\n",sizeof(c));
    printf("Size of char: %d byte\n",sizeof(d));
    printf("Size of Long int: %d byte\n",sizeof(longInt));
    printf("Size of signed int: %d byte\n",sizeof(no));
    return 0;
}
```

**Task 1.** Write a program that asks the user to enter two numbers, obtains the two numbers from the user and prints the sum, product, difference, quotient and remainder of the two numbers.

```
Input:
Insert first number: 10
Insert second number: 5

Output:
Sum = 15
Product = 50
Difference = 5
Quotient = 2
Remainder = 0
```

**Task 2.** Write a program that reads in 3 numbers and prints their average.

```
Input:
Insert first number: 3
Insert second number: 8
Insert third number: 2

Output:
The average is: 4.3
```