



## 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\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:** Write a program that reads in the radius of a circle and prints the circle's diameter circumference and area.

```
#include<stdio.h>
int main()
{
    float const PI = 3.142;
    float radius;
    float area, circumference, diameter;
    printf("Enter the radius of a circle:");
    scanf("%f",&radius);
    diameter= 2*radius;
    circumference= 2*PI*radius;
    area= PI * radius * radius;
    printf("The Diameter is: %.2f \n",diameter);
    printf("The Circumference is: %.2f \n",circumference);
    printf("The area is: %.2f \n",area);
    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
```