**ASSIGNMENT-3**

due February 28

**To verify the Binary Boolean logic truth values of various logic functions using TTL ICs.**  
**Logic Functions:        NAND, NOR, NOT, AND, OR, XOR**  
**TTL ICs:                     7400, 7402, 7404, 7408, 7432, 7486**  
  
**Guidelines:**

1. **First do paper sketch of the circuit, and then implement it on breadboard.**
2. **Use thin marker pen (Red, Green, Blue) for components intermediate wire connections.**
3. **Do neat and clean work.**

**Reading Reference & Sources:**

1. Ch-2, Digital Computer Electronics, 3/ed, Malvino-Brown
2. Ch-1 (Sec-1-3), Ch-3, Digital Fundamentals, 10/ed, Thomas L. Floyd
3. Worksheet for Assignment-3.pdf

**Object 4:Difference Between Value & Reference Type Parameter**

using System;

namespace ConsoleApplication1

{

class Program

{

public static void val(int n){

n++;

}

public static void refer(ref int n)

{

n++;

}

static void Main(string[] args)

{

int n;

Console.WriteLine("Enter a value it ");

n = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("\nValue type parameter");

Console.WriteLine("\nValue of n before calling fuction is {0}",n);

Program.val(n);

Console.WriteLine("\nValue of n after calling function is {0}", n);

Console.WriteLine("\nReference Type parameter");

Console.WriteLine("\nValue of n before function calling is {0}", n);

Program.refer(ref n);

Console.WriteLine("\nValue of n after function calling is {0}", n);

Console.ReadLine();

}

}

}

