**Logic Building Assignment: 5**

**Complete Below Code Snippets**

Write separate application program in separate file and execute it practically.

Write each program in the class notebook with description.

***Calculate Time complexity of each program***

1. **Write a program which accept name from user and display it.**

**Input: Shiv Salunke**

**Output: Shiv Salunke**

#include<stdio.h>

int main()

{

    char Name[30];

    printf("please enter full name: \n");

    scanf(\_\_\_\_\_\_\_\_\_);

    printf("Your name is: %s",Name);

    return 0;

}

1. **Write a program which accept one number from user and check whether that number is greater than 100 or not**

**Input: 101**

**Output: Greater**

**Input: 39**

**Output: Smaller**

#include<stdio.h>

typedef int BOOL;

#define TRUE 1

#define FALSE 0

BOOL ChkGreater(\_\_\_\_\_\_\_\_)

{

    //logic

}

int main()

{

    int iValue =0;

    BOOL bRet =FALSE;

    printf("please enter number: \n");

    scanf("%d",&iValue);

    bRet = \_\_\_\_\_\_\_(\_\_\_\_\_\_);

    if(\_\_\_\_\_)

    {

    printf("Greater");

    }

    else

    {

        printf("Smaller");

    }

    return 0;

}

1. **Write a program which accept two numbers and check whether numbers are equal or not**

**Input: 10 10**

**Output: Equal**

**Input: 10 12**

**Output: Not Equal**

**Input: 10 -10**

**Output: Not Equal**

#include<stdio.h>

typedef int BOOL;

#define TRUE 1

#define FALSE 0

BOOL ChkEqual(\_\_\_\_\_\_\_\_)

{

    //logic

}

int main()

{

    int iValue1,iValue2 =0;

    BOOL bRet =FALSE;

    printf("please enter two numbers: \n");

    scanf("%d %d",&iValue1,&iValue2);

    bRet = \_\_\_\_\_\_\_(\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_);

    if(\_\_\_\_\_)

    {

    printf("Equal");

    }

    else

    {

        printf("Not Equal");

    }

    return 0;

}

1. **Write a program which accept three numbers and print its multiplication**

**Input: 5 4 7**

**Output: 140**

**Input: 5 0 7**

**Output: 35**

**Input: 5 0 0**

**Output: 5**

**Input: 0 0 0**

**Output: 0**

#include<stdio.h>

int Multiply(\_\_\_,\_\_\_\_\_,\_\_\_)

{

    //logic

    //handle the condition if number is 0

}

int main()

{

    int iValue1,iValue2,iValue3,iRet =0;

    printf("please enter three numbers: \n");

    scanf("%d %d %d",&iValue1,&iValue2,&iValue3);

    iRet = \_\_\_\_\_\_\_(\_\_\_\_\_\_,\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_);

    printf("\_\_\_\_\_\_\_");

    return 0;

}

1. **Write a program which accept total marks & obtained marks from user and calculate percentages.**

**Input: 1000 745**

**Output: 74.5%**

#include<stdio.h>

float percentages(\_\_\_,\_\_\_\_\_)

{

    //logic

    //handle the condition if number is 0

}

int main()

{

    int iValue1,iValue2 =0;

    float fRet = 0.0;

    printf("please enter total marks: \n");

    scanf("%d ",&iValue1);

    printf("please enter obtained marks: \n");

    scanf("%d ",&iValue2);

    fRet = \_\_\_\_\_\_\_(\_\_\_\_\_\_,\_\_\_\_\_\_);

    printf("\_\_\_\_\_\_\_");

    return 0;

}