

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;
}
```

2. 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;
}
```

3. 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;
}
```

4. 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;
}
```

5. 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;
}
```