

Logic Building Assignment : 5

Create separate visual Studio project for each problem statement separately.
Calculate Time Complexity of each program.

1. Write a program which accept name from user and print that name.

Input : Piyush Khairnar

Output : Piyush Khairnar

```
#include<stdio.h>

int main()
{
    char Name[30];
    printf("Please enter full name");
    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");
```

```
    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 = 0,iValue2 = 0;
```

```
    BOOL bRet = FALSE;
```

```
printf("Please enter two numbers");  
scanf("%d %d",&iValue1, &iValue2);  
bRet = _____(_____, _____);  
if(_____)  
{  
    printf("Equal");  
}  
else  
{  
    printf("_____");  
}  
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 = 0,iValue2 = 0, iValue3 = 0, iRet = 0;
    printf("Please enter three numbers");
    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 percentage.

Input : 1000 745

Output : 74.5%

```
#include<stdio.h>

float Percentage(____, ____ )
{
    // Logic
    // Handle the condition if number is 0
}
```

```
int main()
{
    int iValue1 = 0,iValue2 = 0;
    float fRet = 0.0;

    printf("Please enter total marks");
    scanf("%d",&iValue1);
    printf("Please enter obtained marks");
    scanf("%d",&iValue2);
    fRet = _____(_____, _____);
    printf("_____");
    return 0;
}
```

