Logic Building Assignment: 1

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

Write each program in the class notebook with description.

1. **Program to divide two numbers**

```c
#include <stdio.h>

// Function to take two integers, divide them and return the result
float divideTwoNumbers() {
    int num1, num2;
    float result;

    printf("Enter the dividend (integer): ");
    scanf("__", &num1);

    printf("Enter the divisor (integer): ");
    scanf("__", &num2);

    // Check for division by zero
    if (num2_____) {
        printf("Error: Division by zero is not allowed.\n");
        return -1;
    }

    result = (_____)num1 / num2;
    return ___;
}

int main() {
    float result = divideTwoNumbers();

    // If result is not -1, print the division result
    if (result != -1) {
        printf("Result = ___\n", result);
    }

    _____ 0;
}
```

2. **program to print 5 times "Fabulous " on console/screen**

```c
#_____<____>
void display()
{
    int iCnt =0;
    for(iCnt =1;i<=__;i++)
    {
        ____("Fabulous");
    }
}
___main()
{
    display();
    return 0;
}
```

3. **Program to print 5 to 1 numbers on screen.**

```c
#include<stdio.h>
_____ display()
{
    ___ iCnt =0;
    _____i = 5;
    for(__;__;__)
    {
        printf("%d",i);
        i++;
    }
}

int main()
{
    display();
    return 0;
}
```

4. **Accept one number and check whether it is divisible by 5 or not.**

```c
#include<stdio.h>
typedef int BOOL;
#define TRUE 1
#define FALSE _____

_____check(____)iNo
{
    if((_____%5)==0)
    {
        return TRUE;
    }
    else
    {
        return FALSE;
    }
}

int main()
{
    int iValue=0;
    BOOL bRet = FALSE;
    printf("Enter number :\n");
    scanf("_____",___iValue);

    bRet = Check(iValue);
    if(bRet==TRUE){
        printf("Divisible by 5\n");
    } else {
        printf("Not divisible by 5 \n");
    }
    return 0;
}
```
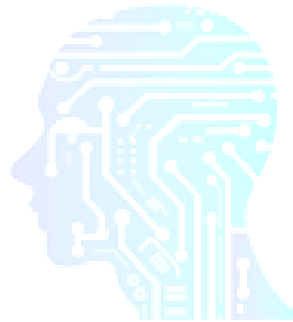
5. **Accept one number from user and print that number of * on screen**

```c
#include<stdio.h>
void display(int iNo)
{
    int iCnt = 0;
    for(____;_____;____)
```

```
    {
        printf("*");
    }
}
int main()
{
    int iValue =0;
    iValue =5;
    display(iValue);
    return 0;
}
```