Remark

**Subject :** Object Oriented Programing lab

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**Expt. No. :**01                **Date :  07-08-2024**

**Title :** To implement Program on operators using inline function.

**Code:**

```cpp
#include<iostream>
using namespace std;
void arith(int a,int b);
void rel(int a,int b);
void log (int a,int b);
void bitw (int a,int b);
int main()
{
    int a,b,bit,num;
    cout<<"Enter the two numbers\n";
    cin>>a>>b;
    arith(a,b);
    rel(a,b);
    log(a,b);
    bitw(a,b);
    return 0;
```

```cpp
}
inline void arith (int a,int b)
{
    cout<<"\n********** Arithmetic Operator **********\n";
    cout<<"\nThe addition of two numbers :"<<a+b<<endl;
    cout<<"The subtraction of two numbers :"<<a-b<<endl;
    cout<<"The multiplication of two numbers :"<<a*b<<endl;
    cout<<"The divison of two numbers :"<<a/b<<endl;
}


inline void rel (int a,int b)
{
    bool result;
    cout<<"\n********** Relational Operator **********\n";
    result=(a==b);
    cout<<"\nOutput is : "<<result<<endl;
    result=(a!=b);
    cout<<"Output is : "<<result<<endl;
    result=(a>b);
    cout<<"Output is : "<<result<<endl;
    result=(a<b);
    cout<<"Output is : "<<result<<endl;
    result=(a>=b);
    cout<<"Output is : "<<result<<endl;
    result=(a<=b);
    cout<<"Output is : "<<result<<endl;
}
inline void log (int a,int b)
```

```cpp
{
    bool result;
    cout<<"\n********** Logical Operator **********\n";
    result=(a!=b) && (a<b);
    cout<<"Output is : "<<result<<endl;
    result=(a!=b) || (a<b);
    cout<<"Output is : "<<result<<endl;
    result=!(a==b);
    cout<<"Output is : "<<result<<endl;
}

inline void bitw (int a,int b)
{
    bool bitw;
    cout<<"\n********** Bitwise Operator **********\n";
    bitw=(a&b);
    cout<<"Output is : "<<bitw<<endl;
    bitw=(a|b);
    cout<<"Output is : "<<bitw<<endl;
    bitw=(a^b);
    cout<<"Output is : "<<bitw<<endl;
}
```

**Output:**

```
********** Relational Operator **********

Output is : 0
Output is : 1
Output is : 0
Output is : 1
Output is : 0
Output is : 1

********** Logical Operator **********
Output is : 1
Output is : 1
Output is : 1

********** Bitwise Operator **********
Output is : 1
Output is : 1
Output is : 1

*******Unary Operator*******
output is 3
output is 3
output is 2
output is 2

*******Conditional Operator*******
The greater number is:3
Process returned 0 (0x0)   execution time : 2.838 s
Press any key to continue.
```