

```
#include<iostream>
using namespace std;

int main(){
    int x;
    int y;
    int z;

    cout<<"Ingiza x"<<endl;
    cin>>x;
    cout<<"Ingiza y "<<endl;
    cin>>y;

    if(x>y){
        z = x/y;
    }
    else{
        z = y/x;
    }

    cout<<"Jibu ni : "<<z<<endl;

    return 0;
}
```

**RAM**

FREE
FREE
FREE
FREE
FREE
FREE
FREE
FREE

**State of the RAM before  
declaring any variable  
within the program**

**RAM**

x	RESERVED
y	RESERVED
z	RESERVED
	FREE
	FREE
	FREE
	FREE
	FREE

**The state of RAM when  
the first and second  
variables “x” and “y”  
and “z” are declared.**

**RAM**

x	RESERVED
y	RESERVED
z	RESERVED
	FREE
	FREE
	FREE
	FREE
	FREE

**If(  $x > y$  )**

**The state of RAM when  
the two variables are  
compared, and a  
specific output is  
produced in which the  
results of the division  
is stored in variable “z”**

**$x / y$**

