Question 2

You are given two integers, say M and N.

You must check whether M is an exact multiple of N, without using loops.
You have to output 0 if M is not a multiple of N.
You have to output M/N if M is a multiple of N.

**Input-----**
Two integers, say M and N.

**Output-----**
You have to output 0 if M is not a multiple of N.
You have to output M/N if M is a multiple of N.

### Sample Test Cases

<table>
<thead>
<tr>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>20</td>
</tr>
<tr>
<td>16</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>16</td>
</tr>
<tr>
<td>45</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```c
#include <stdio.h>

int main()
{
    int m;
    int n;
    int quotient;
    scanf("%d",&m);
    scanf("%d",&n);
    quotient = m/n;
    if(quotient*n == m)
    {
        printf("%d\n", quotient);
    }
    else
    {
        printf("0\n");
    }
    return 0;
}
```