- **EASY**
- **Max Score: 30 Points**

Switch Case Problem 3

Write a program using switch cases in which two positive integers `a` and `b` will be taken as inputs.

If `(a%b)` is `0` then output will be "Remainder is too small",

If `(a%b)` is `1` then output will be "Remainder is small",

If `(a%b)` is `2` then output will be "Remainder is large",

In any other cases output will be "Remainder is too large".

The output should not contain quotation marks.

Input Format

First line contains two integers a and b

Output Format

Any one of the mentioned strings will be printed as per the value of (a%b)

Example 1

Input

`19 6`

Output

```
Remainder is small
```

Explanation

Modulus operator calculates the remainder of the given values.

19%6 will be 1 corresponding to the switch case 1 therefore printing Remainder is small

Example 2

Input

```
19 5
```

Output

```
Remainder is too large
```

Explanation

19%5 will be 4 as it does not match any of the switch cases it will go to the

Default switch case therefore printing Remainder is too large

Constraints

```
0 <= a, b <= 10^8
```

Topic Tags

- **Basics**

My code

```
// n java
import java.util.*;
```

```java
import java.lang.*;
import java.io.*;

public class Main
{
    public static void main (String[] args) throws
java.lang.Exception
    {
        //your code here
    Scanner s=new Scanner(System.in);
    int a=s.nextInt();
    int b=s.nextInt();
    int c=a%b;

    switch(c){

    case 0: System.out.println("Remainder is too small");
    break;
    case 1: System.out.println("Remainder is small");
    break;
    case 2: System.out.println("Remainder is large");
    break;
    default:System.out.println("Remainder is too large");
```

```
        }
          }
}
```