Area of a Triangle

Write a function that takes the base and height of a triangle and return its area.

Examples

```
triArea(3, 2) \rightarrow3
triArea(7, 4) \rightarrow14
triArea(10, 10) \rightarrow50
```

Notes

- The area of a triangle is: (base * height) / 2
- Don't forget to return the result.

```
<script>
const area = (base,height)=>{
   return (base+ height)/2;
}
console.log("Area of Triangle is",area(10,520))
console.log("Area of Triangle is",area(20,30))
console.log("Area of Triangle is",area(33,44))
</script>
```

```
Area of Triangle is 265
Area of Triangle is 25
Area of Triangle is 38.5
Live reload enabled.
```

Return Something to Me!

Write a function that returns the string "something" joined with a space " " and the given argument a.

Examples

```
giveMeSomething("is better than nothing") →"something is better than nothing" giveMeSomething("Bob Jane") →"something Bob Jane" giveMeSomething("something") →"something something
```

Somethingis better than nothing.	<pre>index4.html:13</pre>
Somethingalan shah	<pre>index4.html:14</pre>
Somethingis wrong.	<pre>index4.html:15</pre>
Live reload enabled.	<pre>index4.html:45</pre>

Basketball Points

You are counting points for a basketball game, given the amount of 2-pointers scored and 3-pointers scored, find the final points for the team and return that value.

Examples

```
points(1, 1) \rightarrow 5
points(7, 5) \rightarrow 29
points(38, 8) \rightarrow 100
```

Less Than 100?

Given two numbers, return true if the sum of both numbers is less than 100.

Otherwise return false. **Examples**

```
lessThan100(22, 15) →true

// 22 + 15 = 37

lessThan100(83, 34) →false

// 83 + 34 = 117

lessThan100(3, 77) →true
```

false index4.html:18 true index4.html:19 true index4.html:20	false	<pre>index4.html:17</pre>
	false	<pre>index4.html:18</pre>
thus	true	<pre>index4.html:19</pre>
true <u>index4.11till1:20</u>	true	<pre>index4.html:20</pre>

Add up the Numbers from a Single Number

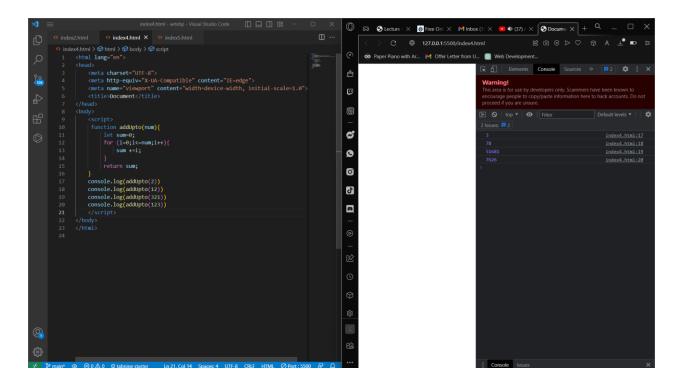
Create a function that takes a number as an argument. Add up all the numbers from 1 to the number you passed to the function. For example, if the input is 4 then your function should return 10 because 1 + 2 + 3 + 4 = 10.

Examples

```
addUp(4) \rightarrow10
addUp(13) \rightarrow91
addUp(600) \rightarrow180300
```

Notes

Expect any positive number between 1 and 1000.



Oddish vs. Evenish

Create a function that determines whether a number is **Oddish** or **Evenish**. A number is **Oddish** if the sum of all of its digits is odd, and a number is **Evenish** if the sum of all of its digits is even.

If a number is **Oddish**, return "Oddish". Otherwise, return "Evenish".

```
For example, oddishOrEvenish (121) should return "Evenish", since 1+2+1=

4. oddishOrEvenish (41) should return "Oddish", since 4+1=5. Examples

oddishOrEvenish (43) →"Oddish"

// 4 + 3 = 7

// 7 % 2 = 1

oddishOrEvenish (373) →"Oddish"

// 3 + 7 + 3 = 13

// 13 % 2 = 1

oddishOrEvenish (4433) →"Evenish"

// 4 + 4 + 3 + 3 = 14
```

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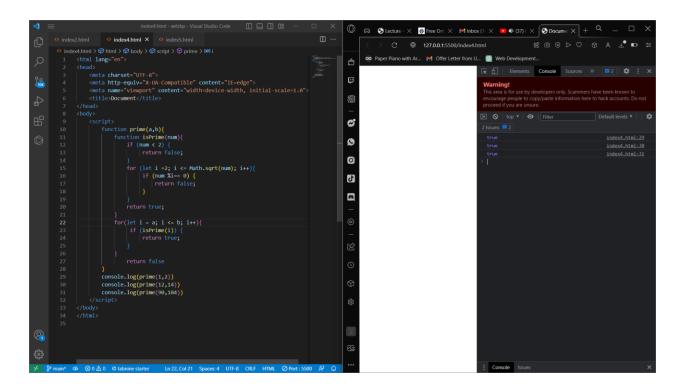
Any Prime Number in Range

Create a function that returns true if there's at least one prime number in the given range

```
(n1 to n2 (inclusive)), false otherwise. Examples
primeInRange(10, 15) → true //
Prime numbers in range: 11, 13
primeInRange(62, 66) → false
// No prime numbers in range.
primeInRange(3, 5) → true
// Prime numbers in range: 3, 5
```

Notes

- •n2 is always greater than n1.
- •n1 and n2 are always positive.
- 0 and 1 aren't prime numbers.



Left Shift by Powers of Two

The left shift operation is similar to multiplication by powers of two.

Sample calculation using the left shift operator (<<):

```
10 << 3 = 10 * 2^3 = 10 * 8 = 80

-32 << 2 = -32 * 2^2 = -32 * 4 = -128

5 << 2 = 5 * 2^2 = 5 * 4 = 20
```

Write a function that mimics (without the use of <<) the left shift operator and returns the result from the two given integers.

Examples

```
shiftToLeft(5, 2) \rightarrow 20

shiftToLeft(10, 3) \rightarrow 80

shiftToLeft(-32, 2) \rightarrow -128

shiftToLeft(-6, 5) \rightarrow -192

shiftToLeft(12, 4) \rightarrow 192

shiftToLeft(46, 6) \rightarrow 2944
```

Notes

- There will be no negative values for the second parameter y.
- This challenge is more like recreating the left shift operation, thus, the use of the operator directly is prohibited.
- Alternatively, you can solve this challenge via recursion.

Convert a Number to Base-2

Create a function that returns a base-2 (binary) representation of a base-10 (decimal) string number. To convert is simple: ((2) means base-2 and (10) means base-10) 010101001(2) = 1 + 8 + 32 + 128.

Going from right to left, the value of the most right bit is 1, now from that every bit to the left will be x2. The values of an 8 bit binary number are (256, 128, 64, 32, 16, 8, 4, 2, 1).

Examples

```
binary(1) → "1"
// 1*1 = 1
```

```
binary(5) → "101"

// 1*1 + 1*4 = 5

binary(10) → "1010"

// 1*2 + 1*8 = 10
```

Notes

- Numbers will always be below 1024 (not including 1024).
- The && operator could be useful.
- The strings will always go to the length at which the most left bit's value gets bigger than the number in decimal.
- If a binary conversion for 0 is attempted, return "0".

