**6 kyu**

**Greatest Common Factor of an Array**

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JavaScript

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Write a function that returns the greatest common factor of an array of positive integers. Your return value should be a number, you will only receive positive integers.

greatestCommonFactor([46, 14, 20, 88]); // --> 2

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<script>

**function** gcd(a, b)

        {

**if**(b == 0)

**return** a;

**return** gcd(b, a % b);

        }

**function**  greatestCommonFactor( array)

        {

**var** g = array[0];

**for**(let i =1; i<array.length; i++)

            {

                g = gcd(g, array[i]);

            }

**return** g;

        }

document.write(greatestCommonFactor([46, 14, 20, 88]));

</script>