Write a program that will iterate from 0 to 10 and display squares of numbers.

|  |
| --- |
| for (var x = 0; x <= 10; x++) {  console.log(x \* x);  } |

1. Write a for loop that will iterate from 0 to 15. For each iteration, it will check if the current number is odd or even, and display a message to the screen.
2. Write a program to sum the multiples of 3 *and* 5 under 1000.
3. Write a program to compute the sum and product of an array of integers.
4. Write a program which prints the elements of the following array as a single string.

var x = ['1', 'A', 'B', "c", "r", true, NaN, undefined];

1. Write a program that prints the elements of the following array.

var a = [

[1, 2, 1, 24],

[8, 11, 9, 4],

[7, 0, 7, 27]

];

1. Write a program that outputs the sum of squares of the first 20 numbers.
2. Write a program that computes average marks of the following students. Then use this average to determine the corresponding grade.

|  |  |
| --- | --- |
| David | 80 |
| Marko | 77 |
| Dany | 88 |
| John | 95 |
| Thomas | 68 |

The grades are computed as follows :

|  |  |
| --- | --- |
| < 60% | F |
| < 70% | D |
| < 80% | C |
| < 90% | B |
| < 100% | A |

1. Write a program that uses console.log to print all the numbers from 1 to 100, with two exceptions. For numbers divisible by 3, print "Fizz" instead of the number, and for numbers divisible by 5 (and not 3), print "Buzz" instead. When you have that working, modify your program to print "FizzBuzz", for numbers that are divisible by both 3 and 5 (and still print "Fizz" or "Buzz" for numbers divisible by only one of those).

*Note*: This is actually an interview question that has been claimed to weed out a significant percentage of programmer candidates. So if you’ve solved it, you’re now allowed to feel good about yourself.