

JavaScript Problems - 2

1. Convert Age to Days

Convert Age to Days

Published by [medyah99](#) in [JavaScript](#) ▼

algebra

algorithms

math

Create a function that takes the age in years and returns the age in days.

Examples

```
calcAge(65) → 23725
```

```
calcAge(0) → 0
```

```
calcAge(20) → 7300
```

2 . Less than 100 ?

Less Than 100?

Published by [zatoichi49](#) in [JavaScript](#) ▼

language_fundamentals

math

validation

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
```

3. Convert Hours into Seconds

Convert Hours into Seconds

Published by [Matt](#) in [JavaScript](#) ▼

language_fundamentals

math

numbers

Write a function that converts `hours` into seconds.

Examples

```
howManySeconds(2) → 7200
```

```
howManySeconds(10) → 36000
```

```
howManySeconds(24) → 86400
```

Notes

- 60 seconds in a minute, 60 minutes in an hour
- Don't forget to `return` your answer.

4. Sum Of Polygon Angles

Sum of Polygon Angles

Published by [Mubashir Hassan](#) in [JavaScript](#) ▼

functional_programming

math

numbers

Given an n-sided regular polygon `n`, return the total sum of internal angles (in degrees).

Examples

```
sumPolygon(3) → 180
```

```
sumPolygon(4) → 360
```

```
sumPolygon(6) → 720
```

Notes

- `n` will always be greater than 2.
- The formula $(n - 2) \times 180$ gives the sum of all the measures of the angles of an n-sided polygon.

5. Return Something to Me!

Return Something to Me!

Published by [Steven Bonfadini](#) in [JavaScript](#) ▼

language_fundamentals

strings

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 not  
giveMeSomething("Bob Jane") → "something Bob Jane"  
giveMeSomething("something") → "something something"
```

6. Is the Number Less than or Equal to Zero?

Is the Number Less than or Equal to Zero?

Published by [Matt](#) in [JavaScript](#) ▼

conditions

language_fundamentals

validation

Create a function that takes a number as its only argument and returns `true` if it's less than or equal to zero, otherwise return `false`.

Examples

```
lessThanOrEqualToZero(5) → false
```

```
lessThanOrEqualToZero(0) → true
```

```
lessThanOrEqualToZero(-2) → true
```

7. Using the “&&” Operator

Using the "&&" Operator

Published by [bangyen](#) in [JavaScript](#) ▾

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logic

validation

JavaScript has a logical operator `&&`. The `&&` operator takes two boolean values, and returns `true` if both values are `true`.

Consider `a && b`:

- `a` is checked if it is `true` or `false`.
- If `a` is `false`, `false` is returned.
- `b` is checked if it is `true` or `false`.
- If `b` is `false`, `false` is returned.
- Otherwise, `true` is returned (as both `a` and `b` are therefore `true`).

The `&&` operator will only return `true` for `true && true`.

Make a function using the `&&` operator.

Examples

```
and(true, false) → false
and(true, true) → true
and(false, true) → false
and(false, false) → false
```


8. The Farm Problem

The Farm Problem

Published by [Jon](#) in [JavaScript](#) ▾

algorithms

language_fundamentals

math

In this challenge, a farmer is asking you to tell him how many legs can be counted among all his animals. The farmer breeds three species:

- `chickens` = 2 legs
- `cows` = 4 legs
- `pigs` = 4 legs

The farmer has counted his animals and he gives you a subtotal for each species. You have to implement a function that returns the **total number of legs** of all the animals.

Examples

```
animals(2, 3, 5) → 36
```

```
animals(1, 2, 3) → 22
```

```
animals(5, 2, 8) → 50
```

Notes

- Don't forget to `return` the result.
- The order of animals passed is `animals(chickens, cows, pigs)`.
- Remember that the farmer wants to know the **total number of legs** and not the total number of animals.

9. Equality Check

Equality Check

Published by [er0s](#) in [JavaScript](#) ▾

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logic

validation

In this challenge, you must verify the equality of two different values given the parameters `a` and `b`.

Both the *value* and *type* of the parameters need to be equal. The possible types of the given parameters are:

- Numbers
- Strings
- Booleans (`false` or `true`)
- Special values: `undefined`, `null` and `NaN`

What have you learned so far that will permit you to do two different checks (value and type) with a single statement?

Implement a function that returns `true` if the parameters are equal, and `false` if they are not.

Examples

```
checkEquality(1, true) → false
// A number and a boolean: the value and type are different.

checkEquality(0, "0") → false
// A number and a string: the type is different.

checkEquality(1, 1) → true
// A number and a number: the type and value are equal.
```

10. Fix the Expression

Fix the Expression

Published by [Shashwat Verma](#) in [JavaScript](#) ▼

bugs

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validation

Fix the code in the **Code** tab so the function returns `true` if and only if `x` is equal to `7`.

Examples

```
isSeven(4) → false
```

```
isSeven(9) → false
```

```
isSeven(7) → true
```

Notes

The bug can be hard to find, so look closely!