

Ooh, what's that?
Let's learn meow!



JavaScript

Arrow Functions

Saving Money: Cat Food Story



First Edition
Pet Stories



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You're aware that inflation raised the price of cat foods and now you're thinking how to save money.

Without
Argument
Meow!



Good thing that you are a great programmer, and you prepared your hacks!

Arrow Functions without Argument

You used the Arrow Functions without Argument, to remember how much the cat food Royal Canin originally costs:

```
const royalCanin = () => {  
  return 'Royal Canin costs $4 for every  
400g pack. Meow consumes 11 of these small packs  
every month.'  
}
```

Arrow Functions with One Argument

One
Argument
Meow!



You used the Arrow Functions with One Argument, so you can just input the new price and automatically compute the price difference :

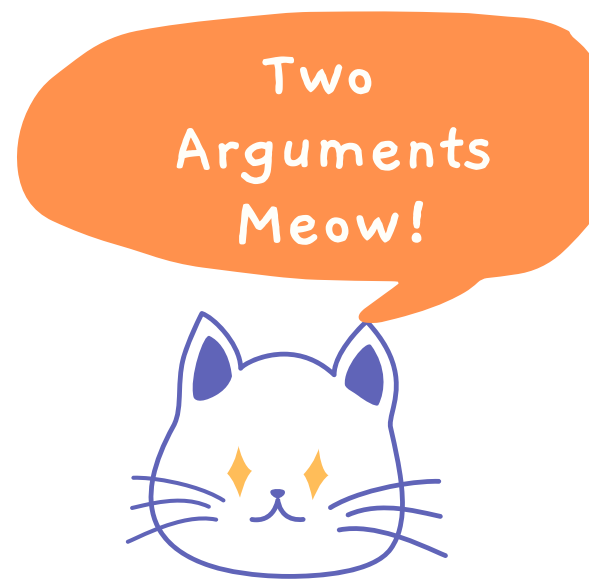
```
const priceDifference = newprice =>{  
    const oldprice = 4;  
    return newprice - oldprice;  
}
```

Let's go next to Arrow Functions with two arguments-->

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Arrow Functions with Two Arguments

Your cat is getting bigger, so it is hard to decide if you want to buy 11 or 12 small packs for a month supply.



To make it simple,
you made a reusable code to calculate the
new price x the packages you think you could afford.

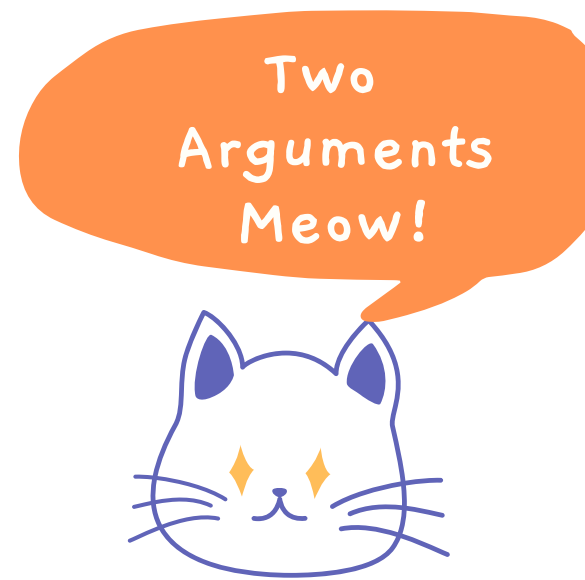
You used the Arrow Functions with Two Arguments:

```
const newMonthlyCost = (newprice, package_quantity) =>
{
    let result = newprice*package_quantity;
    return `The new price per 400g package is
    ${newprice}. Therefore, it currently costs ${result}
    monthly for ${package_quantity} packages`;
}
```

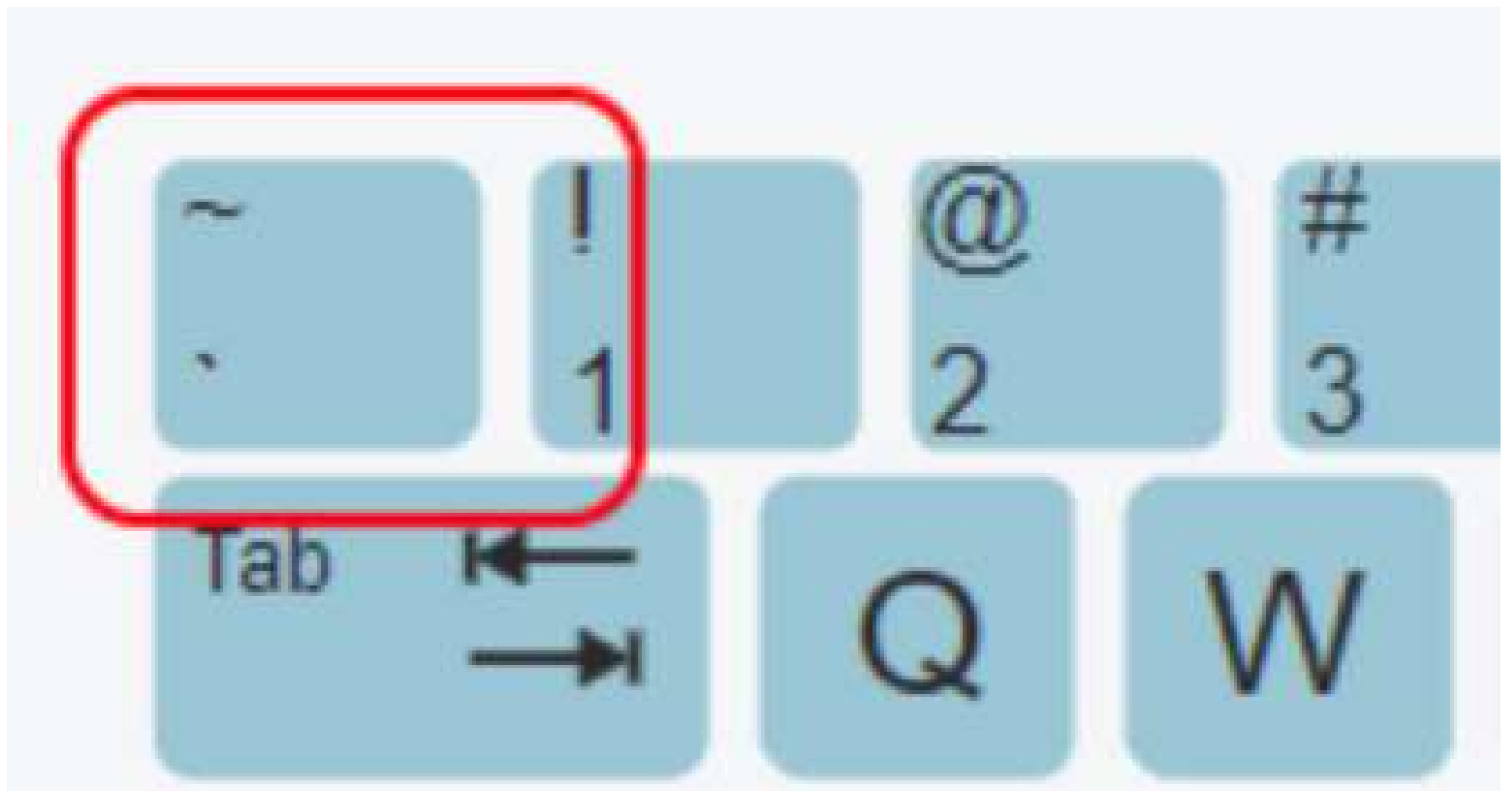
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Important: The Template Literal

Use the template literal ``
when you use `${input}`



You can find it at this part of your keyboard:



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At the Pet Store

Now you arrived at the Pet Store.
You saw the new prices.

Now, it's time to use your coding powers!



● ● ● ● ● ● ●

CAT FOOD

NEW PRICES



\$4.5

Per 400g pack

\$48.99

BUNDLE PROMO!

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Without
Argument
Meow!



You know that the prices are now inflated and you wanted to remember how much did it cost for you the last time.

So you called the function **without argument**:
royalCanin()

```
> royalCanin()  
< 'Royal Canin costs $4 for every 400g  
  pack. Meow consumes 11 of these small  
  packs every month.'
```

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Arrow Functions with One Argument

One
Argument
Meow!



Now you call the function **priceDifference(newprice)** and entered the new price as your argument.

You could see that the package has been increased in price by \$0.5

```
> priceDifference(4.5)  
< 0.5
```

Let's go next to Arrow Functions with two arguments-->

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Arrow Functions with Two Arguments

Now you are thinking how to save money because every single dollar counts.

Two
Arguments
Meow!



Using the reusable function with two arguments, you entered the new price and the quantity of packages as your arguments.

```
> newMonthlyCost(4.5, 11)  
← 'The new price per 400g package is  
$4.5. Therefore, it currently costs  
$49.5 monthly for 11 packages'
```

So you realised it already costs a total of \$49.5 to get 11 packages.

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Arrow Functions with Two Arguments

Two
Arguments
Meow!



Then you remembered that your cat is getting bigger and you know in your heart that he needs one more pack.

So you used again this function with 2 arguments, to check how much it would cost if you'd buy 12 packages.

```
> newMonthlyCost(4.5,12)  
< 'The new price per 400g package is  
$4.5. Therefore, it currently costs  
$54 monthly for 12 packages'
```

You checked your wallet and realised you love your cat but you only have \$50 bill left. 😊

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The Promo Bundle

But wait a minute!

Remember there is a new Promo bundle of 12 packages?

Surprisingly it costs only \$48.99 to get 12 packages! Wow!

Thanks to your coding hacks, you figured out that buying this bundle **will save you money** and your cat would surely **be happier** with extra food package!



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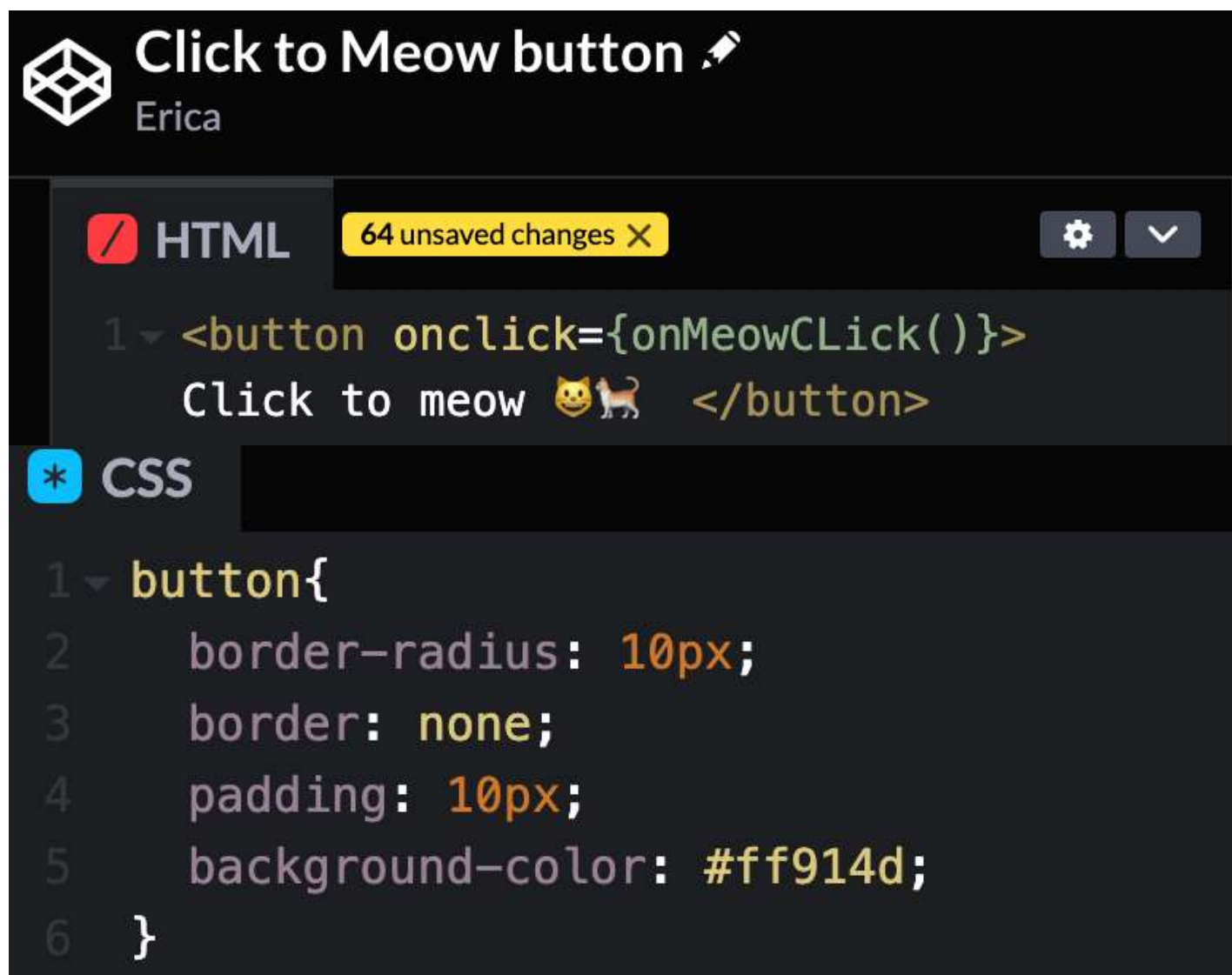
Click to Meow
button!



Arrow Function without Argument

On actual coding practices, developers use the Arrow Function without Argument **for interactive** purposes like this button that will display 'Meow' when clicked:

Button that calls the onMeowClick() function when clicked.



The screenshot shows a web editor with a dark theme. At the top, there's a header with a logo and the text 'Click to Meow button' and 'Erica'. Below the header, there's a button with the text 'Click to meow' and a cat emoji. The editor has two tabs: 'HTML' and 'CSS'. The 'HTML' tab is active, showing the following code:

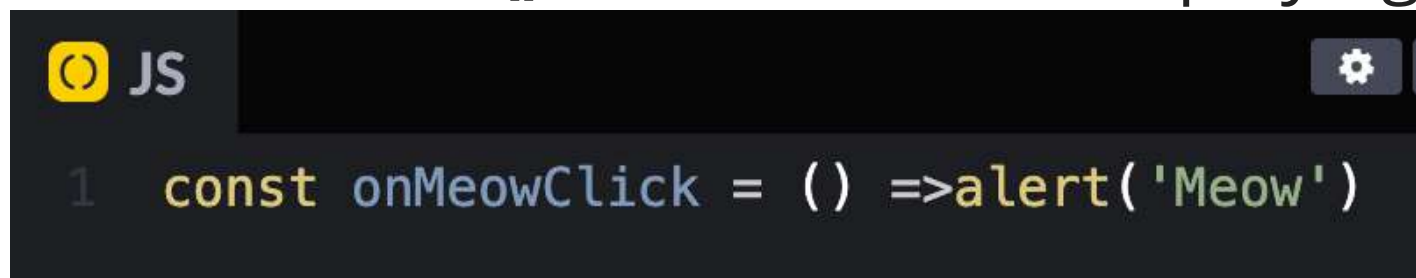
```
1 <button onclick={onMeowClick()}>
  Click to meow 🐱🐾 </button>
```

The 'CSS' tab is also visible, showing the following code:

```
1 button{
2   border-radius: 10px;
3   border: none;
4   padding: 10px;
5   background-color: #ff914d;
6 }
```



onMeowClick() shows an alert displaying 'Meow' to the user



The screenshot shows a JavaScript code editor with a dark theme. It has a single tab labeled 'JS'. The code is as follows:

```
1 const onMeowClick = () => alert('Meow')
```

Two
Arguments
Meow!



Summary Meow:

Arrow Functions without Argument

```
royalCanin()  
onMeowClick()
```

Arrow Functions with one Argument

```
priceDifference(newprice)
```

Arrow Functions with Two Arguments

```
newMonthlyCost (newprice, package_quantity)
```

Template Literal:

the `` that you use with the `${input}`

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Hi amazing you!
Let's be friends!
Add Meow!



Sweet and friendly
(I code randomly with paws)

 **/kittycat**

 **kittycat-tech**

 **Erica Madebeykin**

 **kittycat.tech**

Website: kittycat.tech (coming soon)