

## JS ERRORS

### Try,catch,throw,finally:

Throw, and Try...Catch...Finally

The **try** statement defines a code block to run (to try).

The **catch** statement defines a code block to handle any error.

The **finally** statement defines a code block to run regardless of the result.

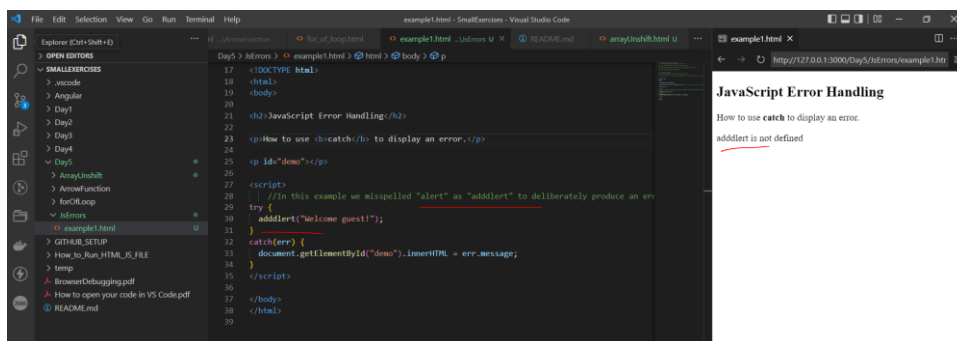
The **throw** statement defines a custom error.

## Errors Will Happen!

When executing JavaScript code, different errors can occur.

Errors can be coding errors made by the programmer, errors due to wrong input, and other unforeseeable things.

### Example-1:



## JavaScript try and catch:

The **try** statement allows you to define a block of code to be tested for errors while it is being executed.

The **catch** statement allows you to define a block of code to be executed, if an error occurs in the try block.

The JavaScript statements **try** and **catch** come in pairs:

```
try {
  // Block of code to try
}
catch(err) {
```

```
    Block of code to handle errors
}
```

# The throw Statement

The **throw** statement allows you to create a custom error.

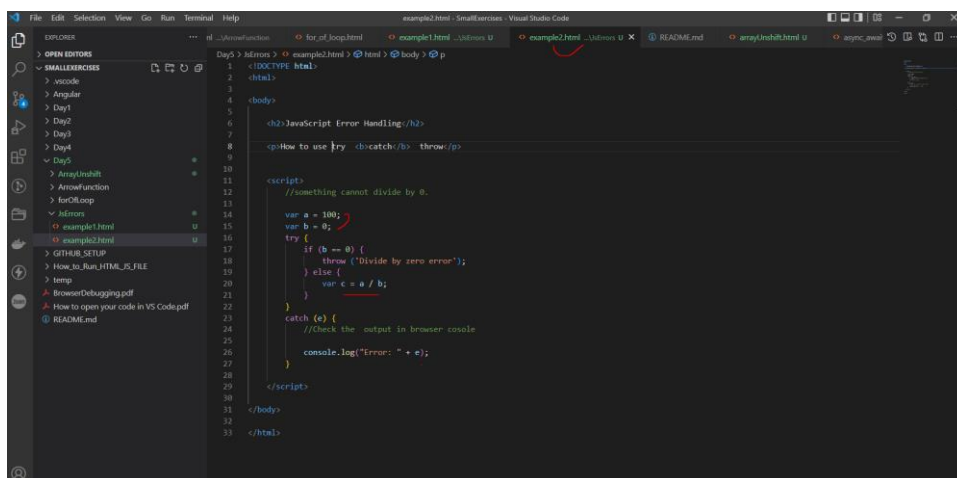
Technically you can **throw an exception (throw an error)**.

The exception can be a JavaScript **String**, a **Number**, a **Boolean** or an **Object**:

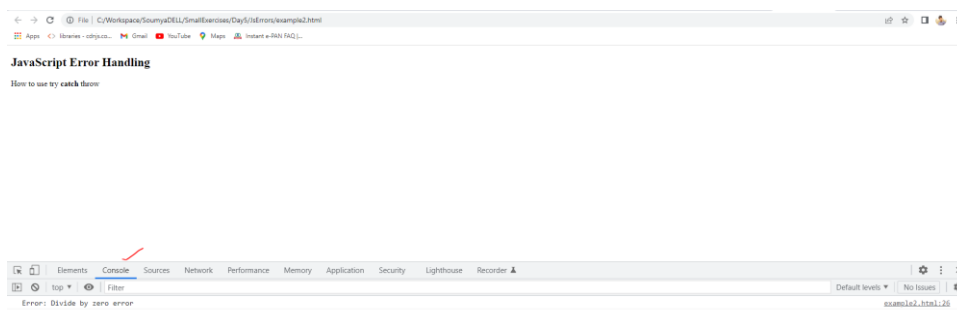
```
throw "Too big";    // throw a text
throw 500;          // throw a number
```

If you use **throw** together with **try** and **catch**, you can control program flow and generate custom error messages.

Example-2:

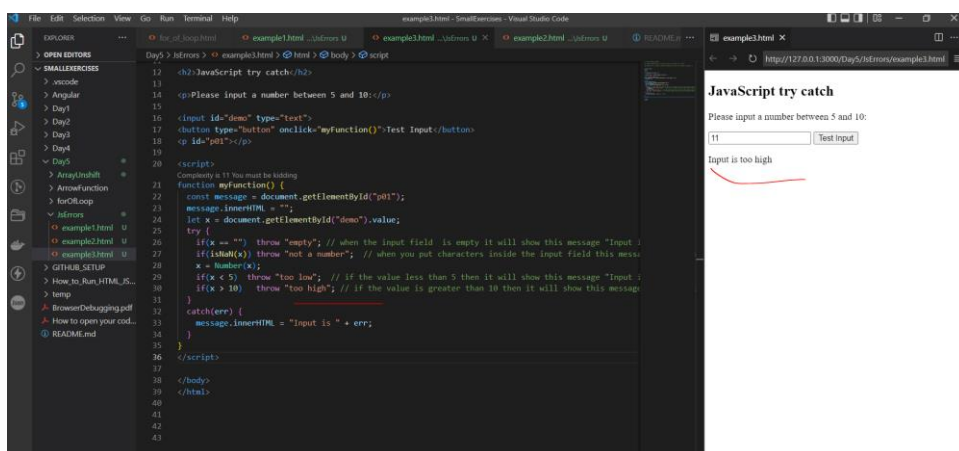
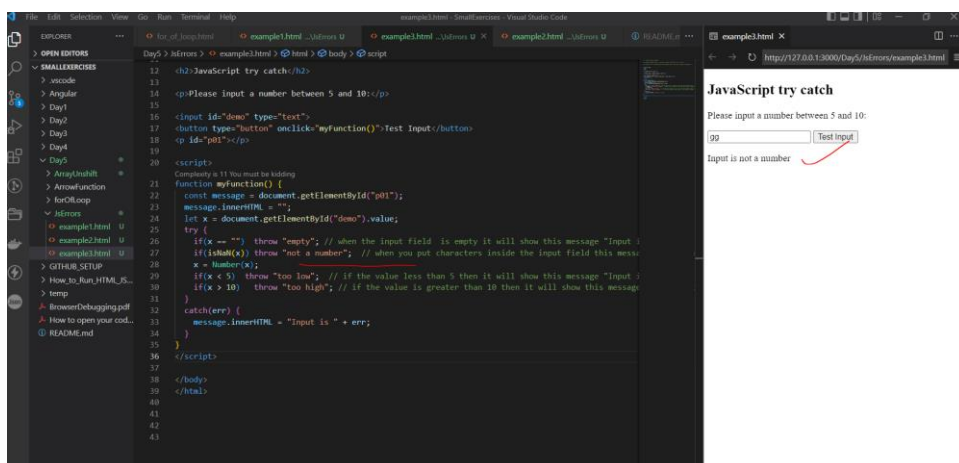
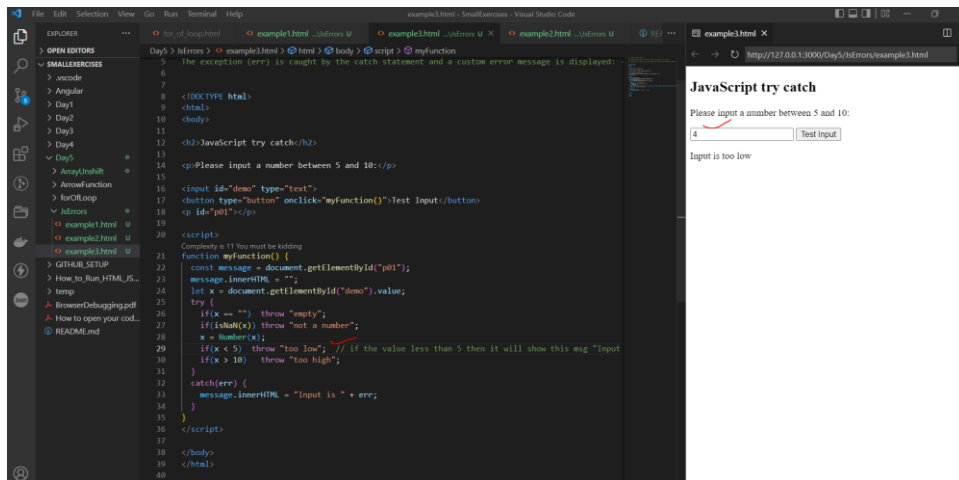


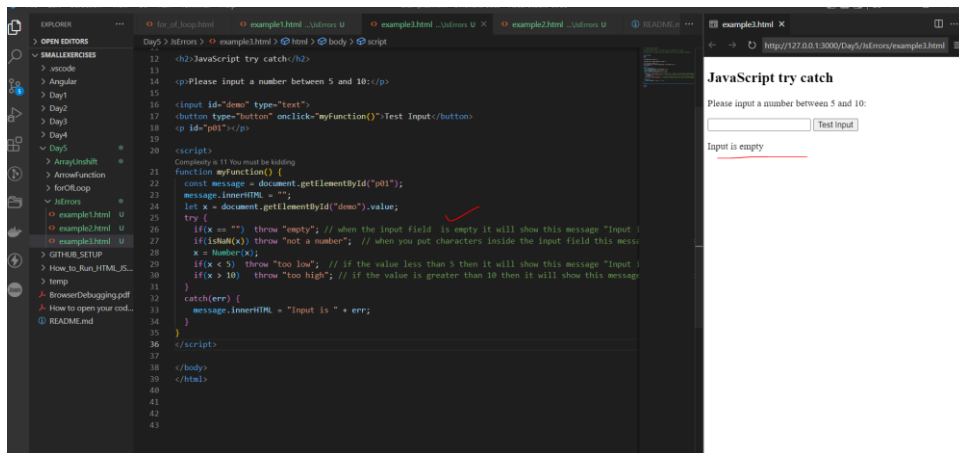
Output:



### Example-3:

Check all the images





Error Name	Description
EvalError	An error has occurred in the eval() function
RangeError	A number "out of range" has occurred
ReferenceError	An illegal reference has occurred
SyntaxError	A syntax error has occurred
TypeError	A type error has occurred
URIError	An error in encodeURIComponent() has occurred

For more details follow this link: [https://www.w3schools.com/js/js\\_errors.asp](https://www.w3schools.com/js/js_errors.asp)