

Lesson 06 Demo 04

Working with Try-Catch

Objective: To demonstrate the implementation of error handling using the try-catch block

in JavaScript

Tools Required: Visual Studio Code and Node.js

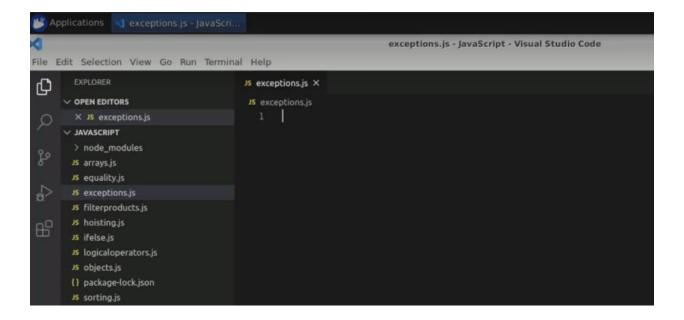
Prerequisites: None

Steps to be followed:

1. Implement error handling using the try-catch block

Step 1: Implement error handling using the try-catch block

1.1 Open Visual Studio Code and create a new JavaScript file named exceptions.js





1.2 Declare the **getCashBack** function, add an array of random cashback, and implement logic to return cashback based on the lucky number

1.3 Log Cashback App Started at the beginning of the program



1.4 Call the **getCashBack** function with a specific lucky number and log the cashback earned. Log **Cashback App Finished** at the end of the program



1.5 Run the program

You will see the log messages and the cashback value returned from the **getCashBack** function.



1.6 Surround the code that may throw an error with a try-catch block, adding a catch block to manage the error and logging appropriate error messages

```
JS exceptions.js X
JS exceptions.js > .
       function getCashBack(luckyNumber){
            let cashBacks = [20, 34, 12, 44, 56, 67, 89, 90, 88];
            if(cashBacks[luckyNumber]){
               return cashBacks[luckyNumber];
          }else{
                 let error = Error("Inavlid Lucky Number");
                throw error;
       try{
            let cashBackEarned = getCashBack("thirteen");
            console.log("cashBackEarned: "+cashBackEarned);
       }catch(e){
           console.log("Something went wrong "+e);
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
    at Object.Module. extensions..js (internal/modules/cjs/loader.js:1158:10) at Module.load (internal/modules/cjs/loader.js:986:32) at Function.Module.load (internal/modules/cjs/loader.js:879:14)
     at Function.executeUserEntryPoint [as runMain] (internal/modules/run main.js:71:12)
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ node exceptions.js
Cashback App Started
Something went wrong Error: Inavlid Lucky Number
Cashback App Finished
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

By following the above steps, you have successfully implemented error handling in the Cashback App, allowing it to manage unexpected errors and exceptions without interrupting the program's execution.