THE MISSION

Part 1: The Calculator

You are going to create a terminal-based calculator program using Node.

1. Ask the user, ''What operation would you like to perform?''
2. Then the user enters one of these options: ''/'' ''*'' ''-'' ''+''
3. If the user enters an invalid character print, ''That is not a valid operation'' and then restart the program
4. After the user enters a valid operation, ask the user, ''Please enter the first number''
5. The user then enters any group of numbers. If the user enters something that is not a number, print ''This is not a number'' and then re-ask the question
6. After a valid number is entered, ask the user, ''Please enter the second number''. Perform the same error handling as before
7. Then perform the proper math operation and print the result as, ''The result is: X'' where is is the actual result

For example, if the user entered addition ''+'' and the first number was 3 and the second number was 4, the result printed would be: ''The result is 7''

NOTE: *Please do not use the `eval()` method - it is never recommended.*

— **Post a screenshot of your final code to the #missions channel**

Skill Level: **Intermediate**

DAY 13

Today you are going to take all of the skills you have learned so far and put them into a real-world application by building a Calculator app in NodeJS. This will be the hardest thing you have done yet!

Estimated work: 30-60 minutes

Advanced: Decimals (Optional)

You are going to create a terminal-based calculator program using Node.

1. Handle remainders properly (modulo). Example : 9 divided by 4 would print 2.25
2. Make the program more elegant by allowing the user to enter an entire operation on one line such as: ''6 / 6'' or ''5 * 3'' (Hint use arguments to solve this)

Resources for help:

https://www.w3schools.com/nodejs/ref_readline.asp

https://nodejs.org/en/knowledge/command-line/how-to-prompt-for-command-line-input/

https://www.codecademy.com/articles/getting-user-input-in-node-js

Post a screenshot of your final code to the #missions channel

Skill Level: **Intermediate**

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