Exercise 1

***Note: Use repl.it for this exercise (Use the provided Node.js Template).***

**Objective of this exercise:** Make you understand what a CLI is, help you in understanding the basics of programming, and help you take the first step in coding and web-development.

Ex1. Write a programme that consoles your name.

Hint: learn about variable declaration and console.log your output.

Ex2. A programme that takes in users name and console the name.

Hint: import “readline-sync” using “require”

Read on: “[readline-sync](https://www.npmjs.com/package/readline-sync)”

Ex3. Welcome your user, (String concatenation).

Hint: use + key to concatenate.

Ex4. Read the users age if the user is 18 or older output valid otherwise invalid (If/else statements).

Hint: if (condition) {

} else {

}

Read on: [if-else](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/if...else) statements.

Ex5. Add two numbers using Functions.

Read on: [functions](https://javascript.info/function-basics)

More: 1. Ask the user for inputs and console.log the output from the function.

2. Read on about [arrow functions](https://www.javascripttutorial.net/es6/javascript-arrow-function/).

Ex6. Use objects to create a Question-Answer pairs,

Read on: [Objects-js](https://javascript.info/object), [Objects](https://www.freecodecamp.org/news/a-complete-guide-to-creating-objects-in-javascript-b0e2450655e8/)

Hint: var object1 {

Question1:” Answer”

}

Ex7. Create a separate Array to store only the object-names (Read about Arrays)

Read on: [Arrays](https://www.javascripttutorial.net/javascript-array/)

Hint: let arr = [object1, …]

Ex8. Use a For loop to access each question (using the array) and read Answers from the User (using “readline-sync”). (Loops concepts)

Read on: [For loop](https://www.javascripttutorial.net/javascript-for-loop/), [while loop](https://www.javascripttutorial.net/javascript-while-loop/).

More: After each correct answer increment a score “[Global](https://www.tabnine.com/academy/javascript/global-variable/)” variable. (Read on about local and global variables) and output the score at the end of the quiz.

Ex9. Club-everything together and voilà you just create your first CLI quiz app.

To run it, use **?embed=1&output=1** at the end of your app.

Hint: https://replit.com/@yourmail/quiz1?embed=1&output=1

Homework: use [Chalk](https://www.npmjs.com/package/chalk) and make your CLI look colourful!!