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// This assignment was not too terrible for me. I expected it
to be when I read
// the description, but it turned out to be about a 2.5/5
difficulty, and I learned
// about how to access functions within a function and how
those variables can connect.

const validator = (function () {
    // ...
    let isValid = true;
    return {
        isNumeric: function (text) {
            if (typeof text !== "number") {
                isValid = false;
            }
        },
        isInteger: function (text) {
            /* ... */
            if (typeof text === "number" && text !==
Math.floor(text)) {
                return;
            } else {
                isValid = false;
            }
        },
        isNegativeInteger: function (text) {
            /* ... */
            if (
                typeof text === "number" &&
                text === Math.floor(text) &&
                text < 0
            ) {
                return;
            } else {
                isValid = false;
            }
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    },
    isPositiveInteger: function (text) {
        /* ... */
        if (
            typeof text === "number" &&
            text === Math.floor(text) &&
            text > 0
        ) {
            return;
        } else {
            isValid = false;
        }
    },
    isNonNegativeInteger: function (text) {
        /* ... */
        if (
            typeof text === "number" &&
            text === Math.floor(text) &&
            text >= 0
        ) {
            return;
        } else {
            isValid = false;
        }
    },
    isInRange: function (text, m, n) {
        /* ... */
        if (typeof text !== "number") {
            isValid = false;
            return;
        }
        if (m && n && m < n && text >= m && text <= n) {
            return;
        }

        if (m && !n && text >= m) {
```

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                return;
            } else {
                isValid = false;
            }
        },
        isValidEmail: function (text) {
            /* ... */
            let emailFormat =
                /(?:[a-z0-9!#$%&'*+/=?^_`{|}~-]+(?:\.[a-z0-
9!#$%&'*+/=?^_`{|}~-]+)*|"(?:[\x01-\x08\x0b\x0c\x0e-
\x1f\x21\x23-\x5b\x5d-\x7f]|\\[\x01-\x09\x0b\x0c\x0e-
\x7f])*")@(?:(?:[a-z0-9](?:[a-z0-9-]*[a-z0-9])?\.)+[a-z0-
9](?:[a-z0-9-]*[a-z0-9])?|\[(?:(?:25[0-5]|2[0-4][0-9]|[01]?[0-
9][0-9]?)\.){3}(?:25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?|[a-z0-9-
]*[a-z0-9]:(?:[\x01-\x08\x0b\x0c\x0e-\x1f\x21-\x5a\x53-
\x7f]|\\[\x01-\x09\x0b\x0c\x0e-\x7f])+)\])/;
            if (text.match(emailFormat)) {
                return;
            } else {
                isValid = false;
            }
        },
        isNonEmpty: function (text) {
            /* ... */
            if (!text) {
                isValid = false;
            }
        },
        matchesRegex: function (text, regex) {
            /* ... */

            let regexFormat = regex;

            if (text.match(regexFormat)) {
                return;
            } else {
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                isValid = false;
            }
        },
        lengthIsInRange: function (text, m, n) {
            /* ... */
            if (typeof text !== "string") {
                isValid = false;
                return;
            }
            if (m && n && m < n && text.length >= m &&
text.length <= n) {
                return;
            }

            if (m && !n && text.length >= m) {
                return;
            } else {
                isValid = false;
            }
        },
        isValid: function () {
            /* ... */
            return isValid;
        },
        reset: function () {
            /* ... */
            isValid = true;
        },
    };
})();
validator.reset(); // Write some code to test your solution
// validator.isNumeric(5); //this should work
// validator.isNumeric("5"); //this should NOT work
// validator.isPositiveInteger(5); //this should work
// validator.isNegativeInteger(-18); //this should work
// validator.isNonNegativeInteger(0); //this should work
```

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// validator.isNonNegativeInteger(1); //this should work
// validator.isPositiveInteger(0); //this should NOT work
// validator.isInRange(5, 4, 6); //this should work
// validator.isInRange(4, 5, 6); //this should NOT work
// validator.isValidEmail("noeliakroot!!@gmail.com"); //this
should work
// validator.isNonEmpty(); //this should NOT work
// validator.lengthIsInRange("hello", 2, 5); //this should work
// validator.matchesRegex("5.5", /^\d+$/); //this should NOT
work
// validator.matchesRegex("5", /^\d+$/); //this should work
if (validator.isValid()) {
    console.log("All is well");
} else {
    console.log("Something failed validation");
}
```