

```
// 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.
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```
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 === "undefined" && text >= m) {

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        return;
    }
    if (m === "undefined" && n && text <= n) {
        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 (typeof text == "string" && !text) {
        isValid = false;
    }
},
matchesRegex: function (text, regex) {
    /* ... */

    let regexFormat = regex;

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        if (text.match(regexFormat)) {
            return;
        } else {
            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 === "undefined" && text.length >= m) {
            return;
        }
        if (m === "undefined" && n && text.length <= n) {
            return;
        } else {
            isValid = false;
        }
    },
    isValid: function () {
        /* ... */
        return isValid;
    },
    reset: function () {
        /* ... */
        isValid = true;
    },

    returnmessage: function () {

```

```
        if (validator.isValid()) {
            console.log("All is well");
        } else {
            console.log("Something failed validation");
        }
    },
};
});
})();
validator.reset(); // Write some code to test your solution
validator.isNumeric(5); //this should work
validator.returnmessage();
validator.reset();
validator.isNumeric("5"); //this should NOT work
validator.returnmessage();
validator.reset();
validator.isPositiveInteger(5); //this should work
validator.returnmessage();
validator.reset();
validator.isNegativeInteger(-18); //this should work
validator.returnmessage();
validator.reset();
validator.isNonNegativeInteger(0); //this should work
validator.returnmessage();
validator.reset();
validator.isNonNegativeInteger(1); //this should work
validator.returnmessage();
validator.reset();
validator.isPositiveInteger(0); //this should NOT work
validator.returnmessage();
validator.reset();
validator.isInRange(5, 4, 6); //this should work
validator.returnmessage();
validator.reset();
validator.isInRange(4, 5, 6); //this should NOT work
validator.returnmessage();
validator.reset();
```

```
validator.isValidEmail("noeliakroot!!@gmail.com"); //this
should work
validator.returnmessage();
validator.reset();
validator.isEmpty(); //this should NOT work
validator.returnmessage();
validator.reset();
validator.lengthIsInRange("hello", 2, 5); //this should work
validator.returnmessage();
validator.reset();
validator.matchesRegex("5.5", /^\\d+$/); //this should NOT work
validator.returnmessage();
validator.reset();
validator.matchesRegex("5", /^\\d+$/); //this should work
validator.returnmessage();
validator.reset();
```