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# Internet and Web Programming

(CSE – 3002)

# LAB EXPERIMENT – 3

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1. Develop an automated searching program using JavaScript to search text containing the word "*red"* and the phrase "*pick-up truck"* close to each other, followed by a "*price"*. Specifically, you should match the words *"red"* and the phrase *"(pickup/pick-up/pick up) truck"* separated by at most two other words in between. The pick-up truck phrase could appear before or after the word red. After the words red and the phrase pick-up truck, the text should also contain a price as dollar, for example, $3.56 and $1,000,000 are valid amounts, whereas $5.321 and $-5, 29, 40 are not.

Html:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Pickup Truck</title>
  </head>
  <body>
    <form><input type="text" name="fname" value="Red pickup truck" /></form>
    <p>Click the button to validate the string</p>

    <button onclick="validateForm()">Try it</button>
    <script>
      function validateForm() {
        console.log("Hello");
        var z = document.getElementsByName("fname");
        var x = z.value;
        var y = "";
        var regex =
          /(((red|Red)(\s[a-z]+){0,2}(\s)(pickup|pick-up|pick\sup)(\s)(truck))|((pickup|pick-up|pick\sup)(\s)(truck)(\s[a-z]+){0,2}(\s)(red|Red)))(\s)(\$)([0-9]{1,3})((\,)[0-9]{3})*((\.)[0-9]{2})?$/;
        var n = regex.test(x);
```

```
      console.log(n);
      if (n === false) {
        alert("Invalid String!");
      } else {
        alert("Valid String!");
      }
    }
  </script>
 </body>
</html>
```