



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

Internet and Web Programming

(CSE – 3002)

LAB EXPERIMENT – 3

Name: **Vibhu Kumar Singh**

Reg. No: **19BCE0215**

Teacher: **Ms. Nalini N.**

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.

ANS 1.

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>
```

OUTPUT:

