

```
<!DOCTYPE html>
<!--adapted from Deitel "Internet & World Wide Web (5th ed)"-->
<html>
  <head>
    <title>Javascript and Iteration</title>
    <meta charset="utf-8" />
    <style>
      .odd { background: lightblue;}
    </style>
    <script>
let principal;
do {
  principal = window.prompt("Enter principal", 1000.00);
}
while (isNaN(principal));
let rate = 0.05;
document.writeln("<table>");
document.writeln("<caption>Compound Interest</caption>");
document.writeln("<thead><tr><th>Year</th>");
document.writeln("<th>Amount</th>");
document.writeln("</tr></thead>");
document.writeln("<tbody>");

for (let i = 0; i < 10; i++) {
  let amount = principal * Math.pow(1.0 + rate, i);
  if (i % 2 === 0) {
    document.write("<tr>");
  } else {
    document.write("<tr class=\"odd\">");
  }
  document.writeln("<td> " + i + "</td>");
  document.writeln("<td> " + amount.toFixed(2) + "</td></tr>");
}

document.writeln("</tbody>");
document.writeln("</table>");
    </script>
  </head>
  <body>
  </body>
</html>
```