

Praktikum Pemrograman Berbasis Web

Tanggal Praktikum: Wednesday, 23 March 2022

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2 | Web Development - jsDemo08A.html
<!DOCTYPE html>
<html lang="en-GB">
  <head>
    <title>JavaScript 08A: Functions</title>
    <script id="s1">
      function loop(max) {
        function applyAndWrite(f, y) {
          document.writeln(f.name, "(", y, ") = ", f(y), "<br>");
        }
        function times2(x) {
          return 2 * x;
        }

        function scope(x) {
          return i * x;
        }

        function power2(x) {
          return x * x;
        }
        for (var i = 0; i <= max; i++) {
          applyAndWrite(times2, i);
          applyAndWrite(scope, i);
          applyAndWrite(power2, i);
        }
      }
    </script>
  </head>
  <body>
    <script id="s2">
      loop(2);
      // times2(6); //times2 is not a defined
    </script>
    <noscript>JavaScript not supported or enabled</noscript>
  </body>
</html>
```

times2(0) = 0
scope(0) = 0
power2(0) = 0
times2(1) = 2
scope(1) = 1
power2(1) = 1
times2(2) = 4
scope(2) = 4
power2(2) = 4

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2.Web Development - jsDemo08B.html

<!DOCTYPE html>
<html lang="en-GB">
  <head>
    <title>JavaScript 08B</title>
    <script>
      // Function sumAll has no minimum number of arguments,
      // but accepts an arbitrary number of arguments
      function sumAll() {
        var sum = 0;
        for (var i = 0; i < arguments.length; i++) sum = sum + arguments[i];
        return sum;
      }
    </script>
  </head>
  <body>
    <script>
      document.writeln("sumAll() = " + sumAll() + "<br>");
      document.writeln("sumAll(2) = " + sumAll(2) + "<br>");
      document.writeln("sumAll(2,3) = " + sumAll(2, 3) + "<br>");
      document.writeln("sumAll(2,3,4) = " + sumAll(2, 3, 4) + "<br>");
      document.writeln(sum);
    </script>
    <noscript>JavaScript not supported or enabled</noscript>
  </body>
</html>
```

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sumAll() = 0
sumAll(2) = 2
sumAll(2,3) = 5
sumAll(2,3,4) = 9
```

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2.Web Development - jsDemo08D.html

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
    <script>
      planets = ["earth"];
      planets.unshift("mercury", "venus");
      planets.push("mars", "jupiter", "saturn");
      document.writeln("planets\@1: " + planets.join(" ") + "<br>");

      last = planets.pop();
      document.writeln("planets\@2: " + planets.join(" ") + "<br>");

      first = planets.shift();
      document.writeln("planets\@3: " + planets.join(" ") + "<br>");
      document.writeln(" \@4: " + first + " " + last + "<br>");

      home = ["mercury", "venus", "earth"].pop();
      document.writeln(" \@5: " + home + "<br>");

      number = ["earth"].push("mars");
      document.writeln(" \@6: " + number + "<br>");

      planets.length = 2;
      document.writeln("planets\@7: " + planets.join(" ") + "<br>");

      list = planets.slice();
      document.writeln("list \@8: " + list.join(" ") + "<br>");

      planets[1] = "midgard";
      document.writeln("list \@9: " + list.join(" ") + "<br>");

      planets = ["Bellerophon", "Ymir", "Osiris"];
      document.writeln("list \@10: " + list.join(" ") + "<br>");
      document.writeln("planets\@10: " + planets.join(" ") + "<br>");

    </script>
  </head>
  <body></body>
</html>

```

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planets@1: mercury venus earth mars jupiter saturn
planets@2: mercury venus earth mars jupiter
planets@3: venus earth mars jupiter
@4: mercury saturn
@5: earth
@6: 2
planets@7: venus earth
list @8: venus earth
list @9: venus earth
list @10: venus earth
planets@10: Bellerophon Ymir Osiris

```