FERIT

LV1 – Vizualizacija podataka

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1. Zadatak

```
<!DOCTYPE html>
<html>
   <head>
        <script src="http://d3js.org/d3.v7.min.js" charset="utf-8"></script>
    </head>
    <body>
        <script>
            d3.select("body")
                .append("h1")
                .html("Naslov dokumenta");
            var div1 = d3.select("body")
                             .append("div");
            div1.append("h2")
                .html("Podnaslov 1");
            div1.append("p")
                .html("Tekst 1.");
            var div2 = d3.select("body")
                             .append("div");
            div2.append("h2")
                .html("Podnaslov 2");
            div2.append("p")
                .html("Tekst 2.");
        </script>
    </body>
</html>
```

Naslov dokumenta

Podnaslov 1

Tekst 1.

Podnaslov 2

Tekst 2.

```
Elements
                              Recorder 👗
                     Console
                                            Sources
                                                     Network
                                                               Perform
 <!DOCTYPE html>
 <html>
  ▼<head>
     <script src="http://d3js.org/d3.v7.min.js" charset="utf-8"></script>
   </head>
  ▼<body>
   ▶ <script>...</script>
    <h1>Naslov dokumenta</h1>
   ▼<div>
      <h2>Podnaslov 1</h2>
      Tekst 1.
    </div>
••• ▼<div> == $0
      <h2>Podnaslov 2</h2>
      Tekst 2.
    </div>
   </body>
 </html>
```

Naslov dokumenta

Podnaslov 1

Novi Text 1!

Podnaslov 2

Novi Text 2!

```
Elements
                    Console
                            Recorder 👗
 <!DOCTYPE html>
 <html>
 <head>...
 ▼<body>
   <script>...</script>
    <h1>Naslov dokumenta</h1>
••• ▼<div id="ID1"> == $0
     <h2>Podnaslov 1</h2>
      Novi Text 1!
    </div>
   ▼<div id="ID2">
     <h2>Podnaslov 2</h2>
      Novi Text 2!
    </div>
   </body>
 </html>
```

```
<!DOCTYPE html>
<html>
    <head>
        <script src="http://d3js.org/d3.v7.min.js" charset="utf-8"></script>
   </head>
    <body>
        <script>
            const h2Text = ['Podnaslov 1!', 'Podnaslov 2!', 'Podnaslov 3!',
'Podnaslov 4!', 'Podnaslov 5!', 'Podnaslov 6!', 'Podnaslov 7!', 'Podnaslov
8!', 'Podnaslov 9!', 'Podnaslov 10!'];
            const paragraphText = ['Text 1!', 'Text 2!', 'Text 3!', 'Text
4!', 'Text 5!', 'Text 6!', 'Text 7!', 'Text 8!', 'Text 9!', 'Text 10!'];
            const divID = ['ID1', 'ID2', 'ID3', 'ID4', 'ID5', 'ID6', 'ID7',
'ID8', 'ID9', 'ID10'];
            d3.select('body')
                .selectAll('div')
                .data(divID)
                .enter()
                .append('div')
                .attr("id", d=>d);
            d3.selectAll('div')
                .data(h2Text)
                .append('h2')
                .html(d=>d);
            d3.selectAll('div')
                .data(paragraphText)
                .append('p')
                .html (d=>d);
        </script>
    </body>
</html>
```

Podnaslov 1!

Text 1!

Podnaslov 2!

Text 2!

Podnaslov 3!

Text 3!

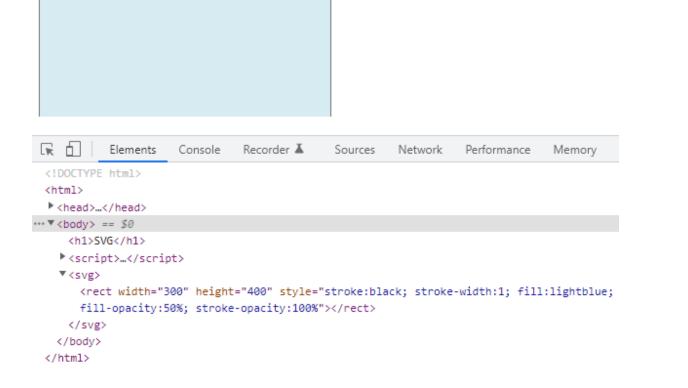
Podnaslov 4!

Text 4!

```
Elements
                      Console
 <!DOCTYPE html>
 <html>
  <head>...
  ▼<body>
    ▶ <script>...</script>
    ▼<div id="ID1">
       <h2>Podnaslov 1!</h2>
       Text 1!
     </div>
••• ▼<div id="ID2"> == $0
      <h2>Podnaslov 2!</h2>
       Text 2!
     </div>
    ▼<div id="ID3">
      <h2>Podnaslov 3!</h2>
       Text 3!
     </div>
    ▶ <div id="ID4">...</div>
    ▶ <div id="ID5">...</div>
    ▶ <div id="ID6">...</div>
    ▶ <div id="ID7">...</div>
    ▶ <div id="ID8">...</div>
    ▶ <div id="ID9">...</div>
    ▶ <div id="ID10">...</div>
```

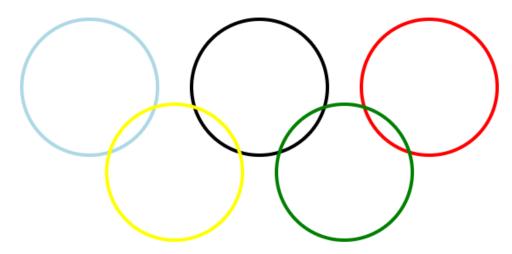
```
<!DOCTYPE html>
<html>
    <head>
        <script src="http://d3js.org/d3.v3.min.js" charset="utf-8"></script>
    </head>
    <body>
        <h1>SVG</h1>
        <script>
            var svg = d3.select("body")
                .append("svg")
            svg.append("rect")
                .attr("width", "300")
                .attr("height","400")
                .attr("style", "stroke:black; stroke-width:1; fill:lightblue;
fill-opacity:50%; stroke-opacity:100%");
        </script>
    </body>
</html>
```

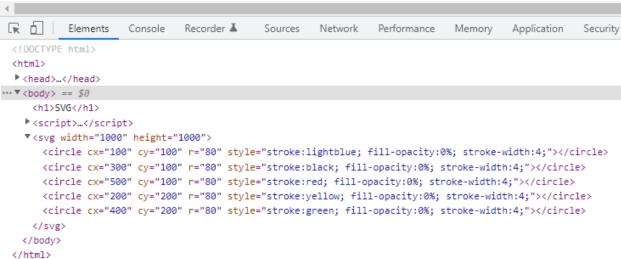
SVG



```
<!DOCTYPE html>
<html>
    <head>
        <script src="http://d3js.org/d3.v3.min.js" charset="utf-8"></script>
    </head>
    <body>
        <h1>SVG</h1>
        <script>
            var svg = d3.select("body")
                 .append("svg")
                 .attr("width","1000")
                 .attr("height","1000");
            svg.append("circle")
                 .attr("cx","100")
                 .attr("cy", "100")
                 .attr("r", "80")
                 .attr("style", "stroke:lightblue; fill-opacity:0%; stroke-
width: 4;");
            svg.append("circle")
                 .attr("cx", "300")
                 .attr("cy", "100")
                 .attr("r", "80")
                 .attr("style","stroke:black; fill-opacity:0%; stroke-width:4;");
            svg.append("circle")
                 .attr("cx", "500")
                 .attr("cy", "100")
                 .attr("r", "80")
                 .attr("style", "stroke:red; fill-opacity:0%; stroke-width:4;");
            svg.append("circle")
                 .attr("cx","200")
                 .attr("cy", "200")
                 .attr("r", "80")
                 .attr("style", "stroke:yellow; fill-opacity:0%; stroke-width:4;");
            svg.append("circle")
                 .attr("cx","400")
                 .attr("cy", "200")
                 .attr("r", "80")
                 .attr("style", "stroke:green; fill-opacity:0%; stroke-width:4;");
        </script>
    </body>
</html>
```

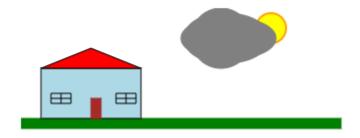
SVG





6. Zadatka

HOME



```
<!DOCTYPE html>
<html>
    <head>
        <script src="http://d3js.org/d3.v3.min.js" charset="utf-8"></script>
    </head>
    <body>
        <h1>HOME</h1>
        <script>
            var svg = d3.select("body")
                 .append("svg");
            svg.append("circle")
                .attr("cx","250")
                .attr("cy","20")
                .attr("r","15")
                 .attr("style", "stroke:orange; fill:yellow; fill-opacity:100%;
stroke-width:2;");
                svg.append("rect")
                .attr("x", "0")
                .attr("y", "110")
                .attr("width","320")
                .attr("height","10")
                .attr("style", "stroke:green; stroke-width:1; fill:green;");
            svg.append("rect")
                .attr("x", "20")
                .attr("y", "60")
                .attr("width","100")
                .attr("height", "50")
                .attr("style", "stroke:black; stroke-width:1; fill:lightblue;");
```

```
svg.append("line")
    .attr("x1", "30")
    .attr("x2", "50")
    .attr("v1", "95")
    .attr("y2", "95")
    .attr("style", "stroke:black; stroke-width:1; fill:black;")
svg.append("line")
    .attr("x1", "30")
    .attr("x2", "50")
    .attr("y1", "85")
    .attr("v2", "85")
    .attr("style", "stroke:black; stroke-width:1; fill:black;")
svg.append("line")
    .attr("x1", "30")
    .attr("x2", "50")
    .attr("y1", "90")
    .attr("y2", "90")
    .attr("style", "stroke:black; stroke-width:1; fill:black;")
svg.append("line")
    .attr("x1", "40")
    .attr("x2", "40")
    .attr("y1", "85")
    .attr("y2", "95")
    .attr("style","stroke:black; stroke-width:1; fill:black;")
svg.append("line")
    .attr("x1", "30")
    .attr("x2", "30")
    .attr("y1", "85")
    .attr("y2", "95")
    .attr("style", "stroke:black; stroke-width:1; fill:black;")
svq.append("line")
    .attr("x1", "50")
    .attr("x2", "50")
    .attr("v1", "85")
    .attr("y2", "95")
    .attr("style","stroke:black; stroke-width:1; fill:black;")
svg.append("rect")
    .attr("x", "70")
    .attr("y", "90")
    .attr("width","10")
    .attr("height","20")
    .attr("style", "stroke:brown; stroke-width:1; fill:brown;");
svg.append("polygon")
    .attr("points", "20, 60 120, 60 70,40")
    .attr("style", "stroke:black; stroke-width:1; fill:red;");
```

```
svg.append("line")
                .attr("x1", "95")
                .attr("x2", "115")
                .attr("y1", "95")
                .attr("y2", "95")
                .attr("style", "stroke:black; stroke-width:1; fill:black;")
            svq.append("line")
                .attr("x1", "95")
                .attr("x2", "115")
                .attr("y1", "85")
                .attr("y2", "85")
                .attr("style", "stroke:black; stroke-width:1; fill:black;")
            svg.append("line")
                .attr("x1", "95")
                .attr("x2", "115")
                .attr("y1", "90")
                .attr("y2", "90")
                .attr("style", "stroke:black; stroke-width:1; fill:black;")
            svg.append("line")
                .attr("x1", "105")
                .attr("x2", "105")
                .attr("y1", "85")
                .attr("y2", "95")
                .attr("style", "stroke:black; stroke-width:1; fill:black;")
            svg.append("line")
                .attr("x1", "95")
                .attr("x2", "95")
                .attr("y1", "85")
                .attr("y2", "95")
                .attr("style", "stroke:black; stroke-width:1; fill:black;")
            svg.append("line")
                .attr("x1", "115")
                .attr("x2", "115")
                .attr("y1", "85")
                .attr("y2", "95")
                .attr("style", "stroke:black; stroke-width:1; fill:black;")
            svg.append("ellipse")
                .attr("cx","200")
                .attr("cy","30")
                .attr("rx","40")
                .attr("ry","20")
                .attr("style", "stroke:gray; fill:gray; fill-opacity:100%;
stroke-width:1;");
```

```
svg.append("ellipse")
                .attr("cx","205")
                .attr("cy","35")
                .attr("rx","40")
                .attr("ry","20")
                .attr("style","stroke:gray; fill:gray; fill-opacity:100%;
stroke-width:1;");
            svg.append("ellipse")
                .attr("cx","205")
                .attr("cy","25")
                .attr("rx","40")
                .attr("ry","20")
                .attr("style","stroke:gray; fill:gray; fill-opacity:100%;
stroke-width:1;");
            svg.append("ellipse")
                .attr("cx","215")
                .attr("cy","30")
                .attr("rx","40")
                .attr("ry","20")
                .attr("style","stroke:gray; fill:gray; fill-opacity:100%;
stroke-width:1;");
            svg.append("ellipse")
                .attr("cx","200")
                .attr("cy","30")
                .attr("rx","30")
                .attr("ry","30")
                .attr("style", "stroke:gray; fill:gray; fill-opacity:100%;
stroke-width:1;");
        </script>
    </body>
</html>
```