МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
ДЕРЖАВНИЙ УНІВЕРСИТЕТ ТЕЛЕКОМУНІКАЦІЙ

Факультет інформаційних технологій
Кафедра інженерії програмного забезпечення

Лабораторна робота №6
з дисципліни «WEB-програмування JS»
за темою: Основи роботи з подіями

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Оцінка _____

Київ - 2020

Завдання 1.
HTML:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>l6t1</title>
    <style>
        .parent {
            width: 200px;
            height: 200px;
            border: 2px solid black;
            margin: 10px;
            background-color: red;
        }

        #main {
            display: flex;
            justify-content: center;
        }
    </style>
</head>
<body>
    <div id="main">
        <div class="parent"id="enter">
            MouseEnter
        </div>
        <div class="parent" id="out">
            MouseOut
        </div>
        <div class="parent" id="over">
            MouseOver
        </div>
        <div class="parent" id="down">
            MouseDown
        </div>
        <div class="parent" id="up">
            MouseUp
        </div>
        <div class="parent" id="click">
            Click
        </div>
    </div>
    <script src="task1.js"></script>
</body>
</html>
```

JS:

```javascript
function color()
{
    this.style.backgroundColor = 'green';
}

var enter = document.getElementById("enter");
enter.addEventListener('mouseenter', color);

var out = document.getElementById("out");
out.addEventListener('mouseout', color);

var over = document.getElementById("over");
over.addEventListener('mouseover', color);

var down = document.getElementById("down");
down.addEventListener('mousedown', color);

var up = document.getElementById("up");
up.addEventListener('mouseup', color);

var click = document.getElementById("click");
click.addEventListener('click', color);
```

Завдання 2
HTML:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>l6t2</title>
</head>
<body>
    <p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Accusamus ab incid
unt voluptatibus nihil quasi explicabo unde exercitationem cupiditate nulla praesen
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```

```
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ium deserunt. Deserunt debitis, ullam obcaecati consequuntur dolore quaerat omnis.
Ab, harum consequatur!</p>
    <input type="button" value="r" onclick="color('red')">
    <input type="button" value="g" onclick="color('green')">
    <input type="button" value="b" onclick="color('blue')">
    <script src="task2.js"></script>
</body>
</html>
```

JS:

```
function color (col)
{
    var p = document.getElementsByTagName("p");
    p[0].style.color = col;
}
```

Завдання 3
HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>l6t3</title>
    <style>
        input {
            width: 60px;
            height: 60px;
            background-color: gray;
            color: white;
            font-size: 30px;
        }

        #panel {
            width: 200px;
            height: 60px;
            background-color: gray;
            color: white;
            font-size: 40px;
            display: flex;
            align-items: center;
        }

        #button {
            width: 200px;
            margin-top: 10px;
            display: grid;
            grid-template-columns: 1fr 1fr 1fr;
```

```
                grid-column-gap: 10px;
                grid-row-gap: 10px;
            }
        </style>
    </head>
    <body>
        <div>
            <div id="panel"></div>
            <div id="button">
                <input type="button" value="1" onclick="out('1')" onmouseover="inFocus(
'1')">
                <input type="button" value="2" onclick="out('2')" onmouseover="inFocus(
'2')">
                <input type="button" value="3" onclick="out('3')" onmouseover="inFocus(
'3')">
                <input type="button" value="4" onclick="out('4')" onmouseover="inFocus(
'4')">
                <input type="button" value="5" onclick="out('5')" onmouseover="inFocus(
'5')">
                <input type="button" value="6" onclick="out('6')" onmouseover="inFocus(
'6')">
                <input type="button" value="7" onclick="out('7')" onmouseover="inFocus(
'7')">
                <input type="button" value="8" onclick="out('8')" onmouseover="inFocus(
'8')">
                <input type="button" value="9" onclick="out('9')" onmouseover="inFocus(
'9')">
                <input type="button" value="C" onclick="remove()" onmouseover="inFocus(
'C')">
                <input type="button" value="0" onclick="out('0')" onmouseover="inFocus(
'0')">
                <input type="button" value="S" onclick="_list()" onmouseover="inFocus('
S')">
            </div>

        </div>
        <p id="focus"></p>
        <script src="task3.js"></script>
    </body>
</html>
```
JS:
```
function out (str)
{
    var panel = document.getElementById("panel");
    str = panel.textContent + str;
    panel.textContent = str;
}
```

```javascript
function remove ()
{
    var panel = document.getElementById("panel");
    panel.textContent = "";
}

function inFocus (str)
{
    var focus = document.getElementById("focus")
    focus.innerHTML = "In focus: " + str;
}

function _list ()
{
    var parent = document.getElementsByTagName("body");
    var p = document.createElement('p');
    p.innerHTML = panel.textContent;
    parent[0].appendChild(p);
    remove();
}
```