Course : Web Programming Principles (WEB222)

Assignment 2

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HtmlPage.html

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8" />
    <title>Math game</title>
    <link href="../CSS/StyleSheet.css" rel="stylesheet" type="text/css" />
    <link
href="https://fonts.googleapis.com/css?family=Cardo|Courgette|Work+Sans&display=swap"
rel="stylesheet">
</head>
<body>

    <h1>Yuki <span>Math Game</span></h1>
    <p>Click on level below to play</p>

    <section id="Level">
        <div class="lev">
            <h5>Level1</h5>
            <h6>ADD</h6>
            <p> <span>example:</span> 8 + 3 = 11</p>
        </div>
        <div class="lev">
            <h5>Level2</h5>
            <h6>SUBSTRACT</h6>
            <p> <span>example:</span> 8 - 3 = 5</p>
        </div>`
        <div class="lev">
            <h5>Level3</h5>
            <h6>DIVISION</h6>
            <p><span> example:</span> 4 / 2 = 2 </p>
        </div>
    </section>

    <br><br><br><br><br><br><br><br><br><br><br><br><br>

    <div>
        <img class="btnAudio" src="../Img/audioicon.png" onclick="play()">
        <audio id="audio" src="music.mp3"></audio>
    </div>


    <section id="start">
        <div style=" cursor:pointer;" onclick="location.href='../HTML/Name.html';">
            <h3>Start</h3>
        </div>

        <div id="restartbtn">
            <h3>Restart</h3>
        </div>
    </section>


    <script src="../JavaScript/JavaScript.js"></script>
</body>
</html>
```

StyleSheet.css

```css
* {
    margin: 0;
    padding: 0;
}

body {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 1.1rem;
    line-height: 1.4rem;
    text-align: center;
    background-image: url("../Img/rila.png");
    height: 100vh;
    background-size: cover;
    background-position: center center;
}

h1 {
    text-align: center;
    padding: 1.5rem 0 1rem 0;
    color: yellow;
    text-shadow: -1px 0 blue, 0 1px blue, 1px 0 blue, 0 -1px blue;
}

    h1 > span {
        color: red;
    }

    h1 > p {
        padding: 1rem 0 1rem 0;
    }

#Level {
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
    padding: 1rem 0 3rem 0;
}

.lev {
    background-color: #ffadc5;
    margin: 0 1rem 0 1rem;
    border-radius: 15px;
    border: 2px solid red;
}

h5 {
    font-size: 1.5rem;
    color: deeppink;
    padding: 0.5rem 0 0.5rem 0;
    text-shadow: -1px 0 pink, 0 1px pink, 1px 0 pink, 0 -1px pink;
}

h6 {
    color: white;
    font-size: 1.6rem;
    text-shadow: -1px 0 red, 0 1px red, 1px 0 red, 0 -1px red;
```

```
}

.lev > p {
    color: black;
    font-weight: bold;
    padding-bottom: 0.5rem;
}

    .lev > p > span {
        color: green;
    }

#start {
    display: grid;
    grid-template-columns: 1fr 1fr;
    padding: 1rem 0 2rem 0;
}

h3 {
    font-size: 3rem;
}

.btnAudio {
    height: 70px;
    width: 70px;
}

#start > div:nth-child(1) > h3 {
    color: red;
    margin: 0 2rem 0 2rem;
    background-color: #1b1919;
    padding: 3rem 0 3rem 0;
    margin: 0 6rem 0 6rem;
    border: 3px solid #808080;
    text-shadow: -1px 0 pink, 0 1px pink, 1px 0 pink, 0 -1px pink;
}

#start > div:nth-child(2) > h3 {
    color: blue;
    margin: 0 2rem 0 2rem;
    background-color: #1b1919;
    padding: 3rem 0 3rem 0;
    margin: 0 6rem 0 6rem;
    border: 3px solid #808080;
    text-shadow: -1px 0 pink, 0 1px pink, 1px 0 pink, 0 -1px pink;
}
```

JacaScript.js

```
let restartbtn = document.querySelector("#restartbtn");

localStorage.removeItem("score");
localStorage.removeItem("hit");
localStorage.removeItem("miss");

let numscore = 0;
let hit1 = 0;
let mis = 0;
let lv1count_hit = 0;
let lv1countmiss = 0;
let lv2count_hit = 0;
let lv2countmiss = 0;
let lv3count_hit = 0;
let lv3countmiss = 0;
let timer = 0;



function play() {
    var audio = document.querySelector("#audio");
    audio.play();
}

let sName = 0;
let sAge = 0;

let restart = () => {


    sName = localStorage.getItem("saveName");
    sAge = JSON.parse(localStorage.getItem("saveAge"));

    let sScore = JSON.parse(localStorage.getItem("saveScore"));
    let sHit = JSON.parse(localStorage.getItem("saveHit"));
    let sMiss = JSON.parse(localStorage.getItem("saveMiss"));

    let slv1Hit = JSON.parse(localStorage.getItem("saveLv1hit"));
    let slv1Miss = JSON.parse(localStorage.getItem("saveLv1miss"));
    let slv2Hit = JSON.parse(localStorage.getItem("saveLv2hit"));
    let slv2Miss = JSON.parse(localStorage.getItem("saveLv2miss"));
    let slv3Hit = JSON.parse(localStorage.getItem("saveLv3hit"));
    let slv3Miss = JSON.parse(localStorage.getItem("saveLv3miss"));

    let sTime = JSON.parse(localStorage.getItem("saveTime"));



    tempname = sName;
    tempage = sAge;
    numscore = sScore;
    hit1 = sHit;
```

```
    mis = sMiss;
    lv1count_hit = slv1Hit;
    lv1countmiss = slv1Miss;
    lv2count_hit = slv2Hit;
    lv2countmiss = slv2Miss;
    lv3count_hit = slv3Hit;
    lv3countmiss = slv3Miss;
    timel = sTime;

    localStorage.setItem("nameLocal", tempname);
    localStorage.setItem("ageLocal", tempage);
    localStorage.setItem("score", numscore);
    localStorage.setItem("hit", hit1);
    localStorage.setItem("miss", mis);

    localStorage.setItem("Lv1hit", lv1count_hit);
    localStorage.setItem("Lv1miss", lv1countmiss);
    localStorage.setItem("Lv2hit", lv2count_hit);
    localStorage.setItem("Lv2miss", lv2countmiss);
    localStorage.setItem("Lv3hit", lv3count_hit);
    localStorage.setItem("Lv3miss", lv3countmiss);



    let lvStage = JSON.parse(localStorage.getItem("levelStage"));

    if (lvStage === 1) {
        localStorage.setItem("localTime", timel);
        window.location.href = '../HTML/Level1.html';
    }
    else if (lvStage === 2) {
        localStorage.setItem("localTime2", timel);
        window.location.href = '../HTML/Level2.html';
    }
    else {
        localStorage.setItem("localTime3", timel);
        window.location.href = '../HTML/Level3.html';
    }
}

restartbtn.addEventListener("click", restart);
```

Name.html

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8" />
    <title>Math game</title>
    <link href="../CSS/Name.css" rel="stylesheet" type="text/css" />
    <link
href="https://fonts.googleapis.com/css?family=Cardo|Courgette|Work+Sans&display=swap"
rel="stylesheet">
</head>
<body>
    <header>

        <h2>Yuki <span>Math Game</span></h2>

    </header>
    <br>

    <section id="container">


        <div></div>
        <div id="box">
            <br>
            <label>NAME</label> 
            <input type="text" id="name">  
            <label>AGE</label> 
            <input type="text" id="age"><br><br><br>
            <form>
                <input type="button" value="PLAY" id="btn">
            </form>
        </div>

        <div></div>
    </section>


    <script src="../JavaScript/Name.js"></script>
</body>
</html>
```

Name.css

```css
* {
    margin: 0;
    padding: 0;
}

body {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 1.1rem;
    line-height: 1.4rem;
    text-align: center;
    position: relative;
    background-image: url("../Img/rik.jpg");
    height: 100vh;
    background-size: cover;
    background-position: center center;
}

header {
    display: grid;
    grid-template-columns: 1fr 100px;
    background-color: darkblue;
    padding: 2rem 0 2rem 0;
}

h2 {
    padding-left: 2rem;
    text-align: left;
    color: yellow;
    text-shadow: -1px 0 pink, 0 1px pink, 1px 0 pink, 0 -1px pink;
}

    h2 > span {
        color: red;
    }

#container {
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
}

#box {
    background-color: darkblue;
    width: 450px;
    height: 210px;
    border: 5px solid pink;
    border-radius: 35px;
}

    #box > label {
        color: white;
        text-shadow: -0.5px 0 black, 0 0.5px black, 0.5px 0 black, 0 -0.5px black;
    }

    #box > input {
        width: 7rem;
```

```
        height: 2rem;
    }

#btn {
    text-decoration: none;
    color: white;
    background-color: pink;
    padding: 1.5rem 2rem 1.5rem 2rem;
    border-radius: 150px;
    font-size: 2rem;
    font-weight: bold;
    margin-bottom: 0.5rem;
    text-shadow: -2px 0 red, 0 2px red, 2px 0 red, 0 -2px red;
}
```

Name.js

```
let btn = document.querySelector("#btn");

localStorage.removeItem("nameLocal");
localStorage.removeItem("ageLocal");
localStorage.removeItem("score");
localStorage.removeItem("hit");
localStorage.removeItem("miss");
localStorage.removeItem("localTime");
localStorage.removeItem("localTime2");
localStorage.removeItem("localTime3");

localStorage.setItem("localTime", 90);
localStorage.setItem("localTime2", 120);
localStorage.setItem("localTime3", 150);



let numscore = 0;
let hit1 = 0;
let mis = 0;
let lv1count_hit = 0;
let lv1countmiss = 0;
let lv2count_hit = 0;
let lv2countmiss = 0;
let lv3count_hit = 0;
let lv3countmiss = 0;



let start = () => {

    let check = 0;
    var nameValue = document.querySelector("#name").value;
    let ageValue = document.querySelector("#age").value;

    localStorage.setItem("nameLocal", nameValue);

    localStorage.setItem("score", numscore);
    localStorage.setItem("hit", hit1);
    localStorage.setItem("miss", mis);
    localStorage.setItem("Lv1hit", lv1count_hit);
    localStorage.setItem("Lv1miss", lv1countmiss);
    localStorage.setItem("Lv2hit", lv2count_hit);
    localStorage.setItem("Lv2miss", lv2countmiss);
    localStorage.setItem("Lv3hit", lv3count_hit);
    localStorage.setItem("Lv3miss", lv3countmiss);


    for (let i = 0; i < 100; i++) {
        if (ageValue == i) {
            check = 1;
            break;
        }
    }
    if (check == 1) {
```

```
        localStorage.setItem("ageLocal", ageValue);
        window.location.href = '../HTML/Level1.html';
    }
    else {
        alert(`Please Enter the number`);
    }
}


btn.addEventListener("click", start);
```

Level1.html

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8" />
    <title>Math game</title>
    <link href="../CSS/Level1.css" rel="stylesheet" type="text/css" />
    <link
href="https://fonts.googleapis.com/css?family=Cardo|Courgette|Work+Sans&display=swap"
rel="stylesheet">

</head>
<body onmousemove="mouseMove(event)">


    <h2>Level 1</h2>
    <div id="mouse">
        <h1><span id="number1">0</span>+<span id="number2"> 0 </span> = ? </h1>
    </div>
    <input type="button" value="save" id="savebtn">

    <section id="container">

        <div class="grid">

            <div id="donut1" onclick="success()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="realAnswer"> 0</p>
                </div>

            </div>

            <div id="donut2" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer2"> 0</p>
                </div>
            </div>

            <div id="donut3" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer3"> 0</p>
                </div>
            </div>
        </div>

        <div class="grid">
```

```
            <div id="donut4" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer4"> 0</p>
                </div>
            </div>

            <div id="donut5" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer5"> 0</p>
                </div>
            </div>

            <div id="donut6" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer1"> 0</p>
                </div>
            </div>

            <div id="donut7" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer7"> 0</p>
                </div>
            </div>

            <div id="donut8" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer8"> 0</p>
                </div>
            </div>

            <div id="donut9" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer9"> 0</p>
                </div>
            </div>

        </div>

    </section>
```

```
    <div>
        <img src="../Img/riri.png" id="fixed">

    </div>



    <footer>
        <div id="score">
            <p>SCORE : <span id="score1"></span></p>
            <p>HITS  : <span id="hit"></span></p>
            <p>MISS  : <span id="miss"></span></p>
            <p>TIME  : <span id="time"></span></p>
        </div>
    </footer>

    <script src="../JavaScript/Level1.js"></script>

</body>
</html>
```

Level1.css

```css
* {
    margin: 0;
    padding: 0;
}

body {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 1.1rem;
    line-height: 1.4rem;
    text-align: center;
    background-image: url("../Img/level1.png");
    height: 100vh;
    background-size: cover;
    background-position: center center;
}

h2, h1 {
    color: yellow;
    font-size: 4rem;
    text-shadow: -1px 0 red, 0 1px red, 1px 0 red, 0 -1px red;
}

h2 {
    text-align: left;
    padding: 1rem 0 0 1rem;
    color: red;
    font-size: 2rem;
    text-shadow: -1px 0 blue, 0 1px blue, 1px 0 blue, 0 -1px blue;
}

#savebtn {
    text-decoration: none;
    color: white;
    background-color: cornflowerblue;
    padding: 0.5rem 1rem 0.5rem 1rem;
    font-size: 2rem;
    font-weight: bold;
    margin-bottom: 0.5rem;
    text-shadow: -2px 0 red, 0 2px red, 2px 0 red, 0 -2px red;
    margin-left: 25rem;
    position: absolute;
}

footer {
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
}

#fixed {
    position: absolute;
    left: 0;
    bottom: 0;
}

#score {
```

```
    position: absolute;
    bottom: 30px;
    right: 30px;
    font-size: 1.5rem;
    font-weight: bold;
    color: deeppink;
    text-align: left;
    line-height: 2.5rem;
    text-shadow: -1px 0 black, 0 1px black, 1px 0, 0 -1px red;
    font-family: Arial, Helvetica, sans-serif;
}

#container {
    height: 90vh;
    width: 120vh;
}


.grid {
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
}

#donut1, #donut2, #donut3, #donut4, #donut5, #donut6, #donut7, #donut8, #donut9 {
    height: 150px;
    width: 150px;
    position: relative;
}

.image img {
    width: 100%;
    display: table-cell;
    vertical-align: middle;
}

#mouse {
    position: absolute;
}

.text {
    font-size: 3rem;
    text-align: center;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate( -50%, -50% );
    color: floralwhite;
    font-weight: bold;
    text-shadow: -2px 0 red, 0 2px red, 2px 0 red, 0 -2px red;
}
```

Level1.js

```
const div = document.querySelector("#container");
const donut1 = document.querySelector("#donut1");
const donut2 = document.querySelector("#donut2");
const donut3 = document.querySelector("#donut3");
const donut4 = document.querySelector("#donut4");
const donut5 = document.querySelector("#donut5");
const donut6 = document.querySelector("#donut6");
const donut7 = document.querySelector("#donut7");
const donut8 = document.querySelector("#donut8");
const donut9 = document.querySelector("#donut9");

let interval;
const score1 = document.querySelector("#score1");
const hit = document.querySelector("#hit");
const miss = document.querySelector("#miss");
const time = document.querySelector("#time");

const savebtn = document.querySelector("#savebtn");

const localscore = JSON.parse(localStorage.getItem("score"));
const localhit = JSON.parse(localStorage.getItem("hit"));
const localmiss = JSON.parse(localStorage.getItem("miss"));
const llv1hit = JSON.parse(localStorage.getItem("Lv1hit"));
const llv1miss = JSON.parse(localStorage.getItem("Lv1miss"));

const ltime = JSON.parse(localStorage.getItem("localTime"));


time.innerHTML = ltime;
let timer = ltime;
score1.innerHTML += localscore;
hit.innerHTML += localhit;
miss.innerHTML += localmiss;



let numscore = localscore
let hit1 = localhit;
let mis = localmiss;
let lv1count_hit = llv1hit;
let lv1countmiss = llv1miss;
let lName = 0;
let lAge = 0;


let saveinfo = () => {
    alert(`Your data is saved`);

    lName = localStorage.getItem("nameLocal");
    lAge = JSON.parse(localStorage.getItem("ageLocal"));


    localStorage.setItem("saveName", lName);
    localStorage.setItem("saveAge", lAge);
    localStorage.setItem("saveScore", numscore);
```

```
    localStorage.setItem("saveHit", hit1);
    localStorage.setItem("saveMiss", mis);
    localStorage.setItem("saveLv1hit", lv1count_hit);
    localStorage.setItem("saveLv1miss", lv1countmiss);

    localStorage.setItem("levelStage", 1);

    localStorage.setItem("saveTime", timer);



    window.location.href = '../HTML/HtmlPage.html';

}
savebtn.addEventListener("click", saveinfo);



let display = () => {
    let num1 = Math.floor(Math.random() * 25) + 1;
    const number1 = document.querySelector("#number1");
    number1.innerHTML = `${num1}`;

    let num2 = Math.floor(Math.random() * 9 + 1);
    const number2 = document.querySelector("#number2");
    number2.innerHTML = `${num2}`;

    let donutAns1 = Math.floor(Math.random() * 30);
    const answer1 = document.querySelector("#answer1");
    answer1.innerHTML = `${donutAns1}`;

    let donutAns2 = Math.floor(Math.random() * 30) + 1;
    const answer2 = document.querySelector("#answer2");
    answer2.innerHTML = `${donutAns2}`;

    let donutAns3 = Math.floor(Math.random() * 30) + 1;
    const answer3 = document.querySelector("#answer3");
    answer3.innerHTML = `${donutAns3}`;

    let donutAns4 = Math.floor(Math.random() * 30) + 1;
    const answer4 = document.querySelector("#answer4");
    answer4.innerHTML = `${donutAns4}`;

    let donutAns5 = Math.floor(Math.random() * 30) + 1;
    const answer5 = document.querySelector("#answer5");
    answer5.innerHTML = `${donutAns5}`;

    let real = num1 + num2;
    const realAnswer = document.querySelector("#realAnswer");
    realAnswer.innerHTML = `${real}`;

    let donutAns7 = Math.floor(Math.random() * 30) + 1;
    const answer7 = document.querySelector("#answer7");
    answer7.innerHTML = `${donutAns7}`;

    let donutAns8 = Math.floor(Math.random() * 30) + 1;
    const answer8 = document.querySelector("#answer8");
    answer8.innerHTML = `${donutAns8}`;
```

```
    let donutAns9 = Math.floor(Math.random() * 30) + 1;
    const answer9 = document.querySelector("#answer9");
    answer9.innerHTML = `${donutAns9}`;
    moveElement();


}

const moveElement = () => {
    const newHeight1 = Math.random() * (div.offsetHeight - 200);
    const newWidth1 = Math.random() * (div.offsetWidth - 100);
    const newHeight2 = Math.random() * (div.offsetHeight - 500);
    const newWidth2 = Math.random() * (div.offsetWidth - 750);
    const newHeight3 = Math.random() * (div.offsetHeight - 500);
    const newWidth3 = Math.random() * (div.offsetWidth - 750);
    const newHeight4 = Math.random() * (div.offsetHeight - 500);
    const newWidth4 = Math.random() * (div.offsetWidth - 750);
    const newHeight5 = Math.random() * (div.offsetHeight - 450);
    const newWidth5 = Math.random() * (div.offsetWidth - 750);
    const newHeight6 = Math.random() * (div.offsetHeight - 450);
    const newWidth6 = Math.random() * (div.offsetWidth - 750);
    const newHeight7 = Math.random() * (div.offsetHeight - 500);
    const newWidth7 = Math.random() * (div.offsetWidth - 750);
    const newHeight8 = Math.random() * (div.offsetHeight - 500);
    const newWidth8 = Math.random() * (div.offsetWidth - 750);
    const newHeight9 = Math.random() * (div.offsetHeight - 500);
    const newWidth9 = Math.random() * (div.offsetWidth - 750);

    donut1.style.top = `${newHeight1}px`;
    donut1.style.left = `${newWidth1}px`;
    donut2.style.top = `${newHeight2}px`;
    donut2.style.left = `${newWidth2}px`;
    donut3.style.top = `${newHeight3}px`;
    donut3.style.left = `${newWidth3}px`;
    donut4.style.top = `${newHeight4}px`;
    donut4.style.left = `${newWidth4}px`;
    donut5.style.top = `${newHeight5}px`;
    donut5.style.left = `${newWidth5}px`;
    donut6.style.top = `${newHeight6}px`;
    donut6.style.left = `${newWidth6}px`;
    donut7.style.top = `${newHeight7}px`;
    donut7.style.left = `${newWidth7}px`;
    donut8.style.top = `${newHeight8}px`;
    donut8.style.left = `${newWidth8}px`;
    donut9.style.top = `${newHeight9}px`;
    donut9.style.left = `${newWidth9}px`;



}

let mouseMove = (event) => {
    document.querySelector("#mouse").style.left = `${event.clientX}px`;
    document.querySelector("#mouse").style.top = `${event.clientY}px`;
}
```

```
function success() {
    numscore += 5;
    hit1 += 1;
    lv1count_hit += 1;
    hit.innerHTML = `${hit1}`;
    score1.innerHTML = `${numscore}`;

    display();
}

function wrong() {
    if (numscore > 0) {
        numscore -= 5;
    }
    mis += 1;
    lv1countmiss += 1;
    score1.innerHTML = `${numscore}`;
    miss.innerHTML = `${mis}`;

    if (mis === 6) {
        localStorage.setItem("score", numscore);
        localStorage.setItem("hit", hit1);
        localStorage.setItem("miss", mis);
        localStorage.setItem("Lv1hit", lv1count_hit);
        localStorage.setItem("Lv1miss", lv1countmiss);
        localStorage.setItem("localTime", 90);
        alert(`Game over`);
        window.location.href = '../HTML/score.html';
    }
    else
        display();
}

const timecheck = () => {


    timer--;
    time.innerHTML = timer;
    if (timer <= 0) {

        localStorage.setItem("score", numscore);
        localStorage.setItem("hit", hit1);
        localStorage.setItem("miss", mis);
        localStorage.setItem("Lv1hit", lv1count_hit);
        localStorage.setItem("Lv1miss", lv1countmiss);
        localStorage.setItem("localTime", 90);



        clearInterval(interval);

        window.location.href = '../HTML/Level2.html';
    }
}
```

```
interval = setInterval(timecheck, 1000);

window.addEventListener("load", display);

setInterval(moveElement, 1000);
```

Level2.html

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8" />
    <title>Math game</title>
    <link href="../CSS/Level2.css" rel="stylesheet" type="text/css" />
    <link
href="https://fonts.googleapis.com/css?family=Cardo|Courgette|Work+Sans&display=swap"
rel="stylesheet">
</head>
<body onmousemove="mouseMove(event)">
    <h2>Level 2</h2>

    <div id="mouse">
        <h1><span id="number1">0</span>-<span id="number2"> 0 </span> = ? </h1>
    </div>
    <input type="button" value="save" id="savebtn">

    <section id="container">

        <div class="grid">

            <div id="donut1" onclick="success()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="realAnswer"> 0</p>
                </div>

            </div>

            <div id="donut2" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer2"> 0</p>
                </div>
            </div>

            <div id="donut3" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer3"> 0</p>
                </div>
            </div>
        </div>

        <div class="grid">

            <div id="donut4" onclick="wrong()">
                <div class="image">
```

```
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer4"> 0</p>
            </div>
        </div>

        <div id="donut5" onclick="wrong()">
            <div class="image">
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer5"> 0</p>
            </div>
        </div>

        <div id="donut6" onclick="wrong()">
            <div class="image">
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer1"> 0</p>
            </div>
        </div>

        <div id="donut7" onclick="wrong()">
            <div class="image">
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer7"> 0</p>
            </div>
        </div>

        <div id="donut8" onclick="wrong()">
            <div class="image">
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer8"> 0</p>
            </div>
        </div>

        <div id="donut9" onclick="wrong()">
            <div class="image">
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer9"> 0</p>
            </div>
        </div>

    </div>

</section>

<div>
    <img src="../Img/level2.png" id="fixed">
```

```
    </div>



    <footer>
        <div id="score">
            <p>SCORE : <span id="score1">0</span></p>
            <p>HITS  : <span id="hit">0</span></p>
            <p>MISS  : <span id="miss">0</span></p>
            <p>TIME  : <span id="time">10</span></p>
        </div>
    </footer>

    <script src="../JavaScript/Level2.js"></script>

</body>
</html>
```

Level2.css

```css
* {
    margin: 0;
    padding: 0;
}

body {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 1.1rem;
    line-height: 1.4rem;
    text-align: center;
    background-image: url("../Img/level22.jpg");
    height: 100vh;
    background-size: cover;
    background-position: center center;
}

h2, h1 {
    color: yellow;
    font-size: 4rem;
    text-shadow: -1px 0 red, 0 1px red, 1px 0 red, 0 -1px red;
}

h2 {
    text-align: left;
    padding: 1rem 0 0 1rem;
    color: red;
    font-size: 2rem;
    text-shadow: -1px 0 blue, 0 1px blue, 1px 0 blue, 0 -1px blue;
}

#savebtn {
    text-decoration: none;
    color: white;
    background-color: cornflowerblue;
    padding: 0.5rem 1rem 0.5rem 1rem;
    font-size: 2rem;
    font-weight: bold;
    margin-bottom: 0.5rem;
    text-shadow: -2px 0 red, 0 2px red, 2px 0 red, 0 -2px red;
    margin-left: 25rem;
    position: absolute;
}

#mouse {
    position: absolute;
}

#fixed {
    position: absolute;
    left: 0;
    bottom: 0;
}

#score {
    position: absolute;
```

```
    bottom: 30px;
    right: 30px;
    font-size: 1.5rem;
    font-weight: bold;
    color: deeppink;
    text-align: left;
    line-height: 2.5rem;
    text-shadow: -1px 0 black, 0 1px black, 1px 0, 0 -1px red;
    font-family: Arial, Helvetica, sans-serif;
}

#container {
    height: 90vh;
    width: 120vh;
}


.grid {
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
}

#donut1, #donut2, #donut3, #donut4, #donut5, #donut6, #donut7, #donut8, #donut9 {
    height: 150px;
    width: 150px;
    position: relative;
}

.image img {
    width: 100%;
    display: table-cell;
    vertical-align: middle;
}

.text {
    font-size: 3rem;
    text-align: center;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate( -50%, -50% );
    color: deepskyblue;
    font-weight: bold;
    text-shadow: -2px 0 red, 0 2px red, 2px 0 red, 0 -2px red;
}
```

Level2.js

```
const div = document.querySelector("#container");
const donut1 = document.querySelector("#donut1");
const donut2 = document.querySelector("#donut2");
const donut3 = document.querySelector("#donut3");
const donut4 = document.querySelector("#donut4");
const donut5 = document.querySelector("#donut5");
const donut6 = document.querySelector("#donut6");
const donut7 = document.querySelector("#donut7");
const donut8 = document.querySelector("#donut8");
const donut9 = document.querySelector("#donut9");


let interval;
const score1 = document.querySelector("#score1");
const hit = document.querySelector("#hit");
const miss = document.querySelector("#miss");
const time = document.querySelector("#time");


const savebtn = document.querySelector("#savebtn");

const localscore = JSON.parse(localStorage.getItem("score"));
const localhit = JSON.parse(localStorage.getItem("hit"));
const localmiss = JSON.parse(localStorage.getItem("miss"));
const llv2hit = JSON.parse(localStorage.getItem("Lv2hit"));
const llv2miss = JSON.parse(localStorage.getItem("Lv2miss"));

const ltime = JSON.parse(localStorage.getItem("localTime2"));

time.innerHTML = ltime;
let timer = ltime;
score1.innerHTML = localscore;
hit.innerHTML = localhit;
miss.innerHTML = localmiss;



let numscore = localscore;
let hit1 = localhit;
let mis = localmiss;
let lv2count_hit = llv2hit;
let lv2countmiss = llv2miss;
let lName = 0;
let lAge = 0;




let saveinfo = () => {
    alert(`Your data is saved`);

    lName = localStorage.getItem("nameLocal");
    lAge = JSON.parse(localStorage.getItem("ageLocal"));
```

```
    let timeCk = 1;

    localStorage.setItem("saveName", lName);
    localStorage.setItem("saveAge", lAge);
    localStorage.setItem("saveScore", numscore);
    localStorage.setItem("saveHit", hit1);
    localStorage.setItem("saveMiss", mis);
    localStorage.setItem("saveLv1hit", lv2count_hit);
    localStorage.setItem("saveLv1miss", lv2countmiss);

    localStorage.setItem("levelStage", 2);

    localStorage.setItem("saveTime", timer);



    window.location.href = '../HTML/HtmlPage.html';

}
savebtn.addEventListener("click", saveinfo);

let display = () => {

    let num1 = Math.floor(Math.random() * 25) + 1;
    let num2 = Math.floor(Math.random() * 9) + 1;

    if (num1 < num2) {
        var temp = num2;
        num2 = num1;
        num1 = temp;
    }
    const number1 = document.querySelector("#number1");
    number1.innerHTML = `${num1}`;

    const number2 = document.querySelector("#number2");
    number2.innerHTML = `${num2}`;

    let donutAns1 = Math.floor(Math.random() * 30);
    const answer1 = document.querySelector("#answer1");
    answer1.innerHTML = `${donutAns1}`;

    let donutAns2 = Math.floor(Math.random() * 30) + 1;
    const answer2 = document.querySelector("#answer2");
    answer2.innerHTML = `${donutAns2}`;

    let donutAns3 = Math.floor(Math.random() * 30) + 1;
    const answer3 = document.querySelector("#answer3");
    answer3.innerHTML = `${donutAns3}`;

    let donutAns4 = Math.floor(Math.random() * 30) + 1;
    const answer4 = document.querySelector("#answer4");
    answer4.innerHTML = `${donutAns4}`;

    let donutAns5 = Math.floor(Math.random() * 30) + 1;
    const answer5 = document.querySelector("#answer5");
    answer5.innerHTML = `${donutAns5}`;
```

```
    let real = num1 - num2;
    const realAnswer = document.querySelector("#realAnswer");
    realAnswer.innerHTML = `${real}`;

    let donutAns7 = Math.floor(Math.random() * 30) + 1;
    const answer7 = document.querySelector("#answer7");
    answer7.innerHTML = `${donutAns7}`;

    let donutAns8 = Math.floor(Math.random() * 30) + 1;
    const answer8 = document.querySelector("#answer8");
    answer8.innerHTML = `${donutAns8}`;

    let donutAns9 = Math.floor(Math.random() * 30) + 1;
    const answer9 = document.querySelector("#answer9");
    answer9.innerHTML = `${donutAns9}`;

    moveElement();

}

const moveElement = () => {
    const newHeight1 = Math.random() * (div.offsetHeight - 200);
    const newWidth1 = Math.random() * (div.offsetWidth - 100);
    const newHeight2 = Math.random() * (div.offsetHeight - 500);
    const newWidth2 = Math.random() * (div.offsetWidth - 750);
    const newHeight3 = Math.random() * (div.offsetHeight - 500);
    const newWidth3 = Math.random() * (div.offsetWidth - 750);
    const newHeight4 = Math.random() * (div.offsetHeight - 500);
    const newWidth4 = Math.random() * (div.offsetWidth - 750);
    const newHeight5 = Math.random() * (div.offsetHeight - 450);
    const newWidth5 = Math.random() * (div.offsetWidth - 750);
    const newHeight6 = Math.random() * (div.offsetHeight - 450);
    const newWidth6 = Math.random() * (div.offsetWidth - 750);
    const newHeight7 = Math.random() * (div.offsetHeight - 500);
    const newWidth7 = Math.random() * (div.offsetWidth - 750);
    const newHeight8 = Math.random() * (div.offsetHeight - 500);
    const newWidth8 = Math.random() * (div.offsetWidth - 750);
    const newHeight9 = Math.random() * (div.offsetHeight - 500);
    const newWidth9 = Math.random() * (div.offsetWidth - 750);

    donut1.style.top = `${newHeight1}px`;
    donut1.style.left = `${newWidth1}px`;
    donut2.style.top = `${newHeight2}px`;
    donut2.style.left = `${newWidth2}px`;
    donut3.style.top = `${newHeight3}px`;
    donut3.style.left = `${newWidth3}px`;
    donut4.style.top = `${newHeight4}px`;
    donut4.style.left = `${newWidth4}px`;
    donut5.style.top = `${newHeight5}px`;
    donut5.style.left = `${newWidth5}px`;
    donut6.style.top = `${newHeight6}px`;
    donut6.style.left = `${newWidth6}px`;
    donut7.style.left = `${newWidth7}px`;
    donut7.style.top = `${newHeight7}px`;
    donut8.style.left = `${newWidth8}px`;
    donut8.style.left = `${newWidth8}px`;
    donut9.style.top = `${newHeight9}px`;
    donut9.style.left = `${newWidth9}px`;
```

```
}

let mouseMove = (event) => {
    document.querySelector("#mouse").style.left = `${event.clientX}px`;
    document.querySelector("#mouse").style.top = `${event.clientY}px`;
}

function success() {
    numscore += 5;
    hit1 += 1;
    lv2count_hit += 1;
    hit.innerHTML = `${hit1}`;
    score1.innerHTML = `${numscore}`;

    display();
}

function wrong() {
    if (numscore > 0) {
        numscore -= 5;
    }
    mis += 1;
    lv2countmiss += 1;
    score1.innerHTML = `${numscore}`;
    miss.innerHTML = `${mis}`;
    if (mis === 6) {
        localStorage.setItem("score", numscore);
        localStorage.setItem("hit", hit1);
        localStorage.setItem("miss", mis);
        localStorage.setItem("Lv2hit", lv2count_hit);
        localStorage.setItem("Lv2miss", lv2countmiss);
        localStorage.setItem("localTime2", 120);
        alert(`Game over`);
        window.location.href = '../HTML/score.html';
    }
    else
        display();

}

const timecheck = () => {
    timer--;
    time.innerHTML = timer;
    if (timer <= 0) {

        localStorage.setItem("score", numscore);
        localStorage.setItem("hit", hit1);
        localStorage.setItem("miss", mis);
        localStorage.setItem("Lv2hit", lv2count_hit);
        localStorage.setItem("Lv2miss", lv2countmiss);
        localStorage.setItem("localTime2", 120);


        clearInterval(interval);
        window.location.href = '../HTML/Level3.html';
    }
}
```

```
interval = setInterval(timecheck, 1000);

window.addEventListener("load", display);

setInterval(moveElement, 1000);
```

Level3.html

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8" />
    <title>Math game</title>
    <link href="../CSS/Level3.css" rel="stylesheet" type="text/css" />
    <link
href="https://fonts.googleapis.com/css?family=Cardo|Courgette|Work+Sans&display=swap"
rel="stylesheet">
</head>
<body onmousemove="mouseMove(event)">
    <h2>Level 3</h2>

    <div id="mouse">
        <h1><span id="number1">0</span> / <span id="number2"> 0 </span> = ? </h1>
    </div>
    <input type="button" value="save" id="savebtn">

    <section id="container">

        <div class="grid">

            <div id="donut1" onclick="success()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="realAnswer"> 0</p>
                </div>

            </div>

            <div id="donut2" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer2"> 0</p>
                </div>
            </div>

            <div id="donut3" onclick="wrong()">
                <div class="image">
                    <img src="../IMG/dd.png">
                </div>
                <div class="text">
                    <p id="answer3"> 0</p>
                </div>
            </div>
        </div>

        <div class="grid">

            <div id="donut4" onclick="wrong()">
                <div class="image">
```

```
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer4"> 0</p>
            </div>
        </div>

        <div id="donut5" onclick="wrong()">
            <div class="image">
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer5"> 0</p>
            </div>
        </div>

        <div id="donut6" onclick="wrong()">
            <div class="image">
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer1"> 0</p>
            </div>
        </div>

        <div id="donut7" onclick="wrong()">
            <div class="image">
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer7"> 0</p>
            </div>
        </div>

        <div id="donut8" onclick="wrong()">
            <div class="image">
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer8"> 0</p>
            </div>
        </div>

        <div id="donut9" onclick="wrong()">
            <div class="image">
                <img src="../IMG/dd.png">
            </div>
            <div class="text">
                <p id="answer9"> 0</p>
            </div>
        </div>

    </div>

</section>

<div>
    <img src="../Img/level3.png" id="fixed">
```

```
    </div>



    <footer>
        <div id="score">
            <p>SCORE : <span id="score1">0</span></p>
            <p>HITS  : <span id="hit">0</span></p>
            <p>MISS  : <span id="miss">0</span></p>
            <p>TIME  : <span id="time">10</span></p>
        </div>
    </footer>

    <script src="../JavaScript/Level3.js"></script>

</body>
</html>
```

Level3.css

```css
* {
    margin: 0;
    padding: 0;
}

body {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 1.1rem;
    line-height: 1.4rem;
    text-align: center;
    background-image: url("../Img/level33.png");
    height: 100vh;
    background-size: cover;
    background-position: center center;
}

h2, h1 {
    color: yellow;
    font-size: 4rem;
    text-shadow: -1px 0 red, 0 1px red, 1px 0 red, 0 -1px red;
}

h2 {
    text-align: left;
    padding: 1rem 0 0 1rem;
    color: red;
    font-size: 2rem;
    text-shadow: -1px 0 blue, 0 1px blue, 1px 0 blue, 0 -1px blue;
}

#savebtn {
    text-decoration: none;
    color: white;
    background-color: cornflowerblue;
    padding: 0.5rem 1rem 0.5rem 1rem;
    font-size: 2rem;
    font-weight: bold;
    margin-bottom: 0.5rem;
    text-shadow: -2px 0 red, 0 2px red, 2px 0 red, 0 -2px red;
    margin-left: 25rem;
    position: absolute;
}

#mouse {
    position: absolute;
}

footer {
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
}

#fixed {
    position: absolute;
    left: 0;
```

```
    bottom: 0;
}

#score {
    position: absolute;
    bottom: 30px;
    right: 30px;
    font-size: 1.5rem;
    font-weight: bold;
    color: deeppink;
    text-align: left;
    line-height: 2.5rem;
    text-shadow: -1px 0 black, 0 1px black, 1px 0, 0 -1px red;
    font-family: Arial, Helvetica, sans-serif;
}

#container {
    height: 90vh;
    width: 120vh;
}


.grid {
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
}

#donut1, #donut2, #donut3, #donut4, #donut5, #donut6, #donut7, #donut8, #donut9 {
    height: 150px;
    width: 150px;
    position: relative;
}

.image img {
    width: 100%;
    display: table-cell;
    vertical-align: middle;
}

.text {
    font-size: 3rem;
    text-align: center;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate( -50%, -50% );
    color: greenyellow;
    font-weight: bold;
    text-shadow: -2px 0 red, 0 2px red, 2px 0 red, 0 -2px red;
}

#mousemove {
    background-color: aqua;
    width: 20px;
    height: 20px;
    position: absolute;
}
```

Level3.js

```
const div = document.querySelector("#container");
const donut1 = document.querySelector("#donut1");
const donut2 = document.querySelector("#donut2");
const donut3 = document.querySelector("#donut3");
const donut4 = document.querySelector("#donut4");
const donut5 = document.querySelector("#donut5");
const donut6 = document.querySelector("#donut6");
const donut7 = document.querySelector("#donut7");
const donut8 = document.querySelector("#donut8");
const donut9 = document.querySelector("#donut9");


let interval;
const score1 = document.querySelector("#score1");
const hit = document.querySelector("#hit");
const miss = document.querySelector("#miss");
const time = document.querySelector("#time");


const savebtn = document.querySelector("#savebtn");

const localscore = JSON.parse(localStorage.getItem("score"));
const localhit = JSON.parse(localStorage.getItem("hit"));
const localmiss = JSON.parse(localStorage.getItem("miss"));
const llv3hit = JSON.parse(localStorage.getItem("Lv3hit"));
const llv3miss = JSON.parse(localStorage.getItem("Lv3miss"));

const ltime = JSON.parse(localStorage.getItem("localTime3"));


time.innerHTML = ltime;
let timer = ltime;
score1.innerHTML = localscore;
hit.innerHTML = localhit;
miss.innerHTML = localmiss;



let numscore = localscore
let hit1 = localhit;
let mis = localmiss;
let lv3count_hit = llv3hit;
let lv3countmiss = llv3miss;
let lName = 0;
let lAge = 0;



let saveinfo = () => {
    alert(`Your data is saved`);
```

```
    lName = localStorage.getItem("nameLocal");
    lAge = JSON.parse(localStorage.getItem("ageLocal"));



    let timeCk = 1;

    localStorage.setItem("saveName", lName);
    localStorage.setItem("saveAge", lAge);
    localStorage.setItem("saveScore", numscore);
    localStorage.setItem("saveHit", hit1);
    localStorage.setItem("saveMiss", mis);
    localStorage.setItem("saveLv1hit", lv3count_hit);
    localStorage.setItem("saveLv1miss", lv3countmiss);

    localStorage.setItem("levelStage", 3);

    localStorage.setItem("saveTime", timer);


    window.location.href = '../HTML/HtmlPage.html';

}
savebtn.addEventListener("click", saveinfo);



let display = () => {

    let num1 = 0;
    let num2 = 0;

    do {
        num1 = Math.floor(Math.random() * 25) + 1;
        num2 = Math.floor(Math.random() * 9) + 2;
    } while (num1 % num2 !== 0)

    const number1 = document.querySelector("#number1");
    number1.innerHTML = `${num1}`;

    const number2 = document.querySelector("#number2");
    number2.innerHTML = `${num2}`;

    let donutAns1 = Math.floor(Math.random() * 30);
    const answer1 = document.querySelector("#answer1");
    answer1.innerHTML = `${donutAns1}`;

    let donutAns2 = Math.floor(Math.random() * 30) + 1;
    const answer2 = document.querySelector("#answer2");
    answer2.innerHTML = `${donutAns2}`;

    let donutAns3 = Math.floor(Math.random() * 30) + 1;
    const answer3 = document.querySelector("#answer3");
    answer3.innerHTML = `${donutAns3}`;

    let donutAns4 = Math.floor(Math.random() * 30) + 1;
    const answer4 = document.querySelector("#answer4");
```

```
    answer4.innerHTML = `${donutAns4}`;

    let donutAns5 = Math.floor(Math.random() * 30) + 1;
    const answer5 = document.querySelector("#answer5");
    answer5.innerHTML = `${donutAns5}`;

    let real = num1 / num2;
    const realAnswer = document.querySelector("#realAnswer");
    realAnswer.innerHTML = `${real}`;

    let donutAns7 = Math.floor(Math.random() * 30) + 1;
    const answer7 = document.querySelector("#answer7");
    answer7.innerHTML = `${donutAns7}`;

    let donutAns8 = Math.floor(Math.random() * 30) + 1;
    const answer8 = document.querySelector("#answer8");
    answer8.innerHTML = `${donutAns8}`;

    let donutAns9 = Math.floor(Math.random() * 30) + 1;
    const answer9 = document.querySelector("#answer9");
    answer9.innerHTML = `${donutAns9}`;


    moveElement();

}

const moveElement = () => {
    const newHeight1 = Math.random() * (div.offsetHeight - 200);
    const newWidth1 = Math.random() * (div.offsetWidth - 100);
    const newHeight2 = Math.random() * (div.offsetHeight - 500);
    const newWidth2 = Math.random() * (div.offsetWidth - 750);
    const newHeight3 = Math.random() * (div.offsetHeight - 500);
    const newWidth3 = Math.random() * (div.offsetWidth - 750);
    const newHeight4 = Math.random() * (div.offsetHeight - 500);
    const newWidth4 = Math.random() * (div.offsetWidth - 750);
    const newHeight5 = Math.random() * (div.offsetHeight - 450);
    const newWidth5 = Math.random() * (div.offsetWidth - 750);
    const newHeight6 = Math.random() * (div.offsetHeight - 450);
    const newWidth6 = Math.random() * (div.offsetWidth - 750);
    const newHeight7 = Math.random() * (div.offsetHeight - 500);
    const newWidth7 = Math.random() * (div.offsetWidth - 750);
    const newHeight8 = Math.random() * (div.offsetHeight - 500);
    const newWidth8 = Math.random() * (div.offsetWidth - 750);
    const newHeight9 = Math.random() * (div.offsetHeight - 500);
    const newWidth9 = Math.random() * (div.offsetWidth - 750);

    donut1.style.top = `${newHeight1}px`;
    donut1.style.left = `${newWidth1}px`;
    donut2.style.top = `${newHeight2}px`;
    donut2.style.left = `${newWidth2}px`;
    donut3.style.top = `${newHeight3}px`;
    donut3.style.left = `${newWidth3}px`;
    donut4.style.top = `${newHeight4}px`;
    donut4.style.left = `${newWidth4}px`;
    donut5.style.top = `${newHeight5}px`;
    donut5.style.left = `${newWidth5}px`;
    donut6.style.top = `${newHeight6}px`;
```

```
    donut6.style.left = `${newWidth6}px`;
    donut7.style.top = `${newHeight7}px`;
    donut7.style.left = `${newWidth7}px`;
    donut8.style.top = `${newHeight8}px`;
    donut8.style.left = `${newWidth8}px`;
    donut9.style.top = `${newHeight9}px`;
    donut9.style.left = `${newWidth9}px`;

}


let mouseMove = (event) => {
    document.querySelector("#mouse").style.left = `${event.clientX}px`;
    document.querySelector("#mouse").style.top = `${event.clientY}px`;
}


function success() {
    numscore += 5;
    hit1 += 1;
    lv3count_hit += 1;
    hit.innerHTML = `${hit1}`;
    score1.innerHTML = `${numscore}`;

    display();
}

function wrong() {
    if (numscore > 0) {
        numscore -= 5;
    }
    mis += 1;
    lv3countmiss += 1;
    score1.innerHTML = `${numscore}`;
    miss.innerHTML = `${mis}`;
    if (mis === 6) {
        localStorage.setItem("score", numscore);
        localStorage.setItem("hit", hit1);
        localStorage.setItem("miss", mis);
        localStorage.setItem("Lv3hit", lv3count_hit);
        localStorage.setItem("Lv3miss", lv3countmiss);
        localStorage.setItem("localTime3", 150);
        alert(`Game over`);
        window.location.href = '../HTML/score.html';
    }
    else
        display();
}

const timecheck = () => {
    timer--;
    time.innerHTML = timer;
    if (timer <= 0) {

        localStorage.setItem("score", numscore);
        localStorage.setItem("hit", hit1);
        localStorage.setItem("miss", mis);
        localStorage.setItem("Lv3hit", lv3count_hit);
```

```
        localStorage.setItem("Lv3miss", lv3countmiss);
        localStorage.setItem("localTime3", 150);

        clearInterval(interval);
        window.location.href = '../HTML/score.html';
    }
}


interval = setInterval(timecheck, 1000);

window.addEventListener("load", display);

setInterval(moveElement, 1000);
```

score.html

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8" />
    <title>Math game</title>
    <link href="../CSS/score.css" rel="stylesheet" type="text/css" />
    <link
href="https://fonts.googleapis.com/css?family=Cardo|Courgette|Work+Sans&display=swap"
rel="stylesheet">
</head>
<body>
    <header>

        <h2>Yuki <span>Math Game</span> Result</h2>

    </header>
    <br>

    <section id="container">

        <div></div>
        <div id="box">
            <br><br>
            <div id="result">

                <div>
                    <p id="name">Name: </p>
                    <p id="age">Age: </p>
                </div>

                <div>
                    <p id="scoResult">SCORE : <span></span></p>
                    <p id="hitResult">HITS  : <span></span></p>
                    <p id="missResult">MISS  : <span></span></p>
                </div>
            </div>
        </div>
        <div></div>
    </section>


    <section id="container2">

        <div></div>
        <div id="box2">
            <br>
            <div id="result2">

                <div>
                    <h3>Level 1</h3>
                    <p id="lv1hits">Hits:<span></span></p>
                    <p id="lv1miss">Miss: <span></span></p>
                </div>

                <div>
```

```
                    <h3>Level 2</h3>
                    <p id="lv2hits">Hits:<span></span></p>
                    <p id="lv2miss">Miss: <span></span></p>
                </div>

                <div>
                    <h3>Level 3</h3>
                    <p id="lv3hits">Hits:<span></span></p>
                    <p id="lv3miss">Miss: <span></span></p>
                </div>
            </div>
        </div>
        <div></div>
    </section>

    <footer>

        <div>
            <img src="../IMG/score1.png" id="fixed">
        </div>

    </footer>
    <script src="../JavaScript/score.js"></script>
</body>
</html>
```

score.css

```css
* {
    margin: 0;
    padding: 0;
}

body {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 1.1rem;
    line-height: 1.4rem;
    text-align: center;
    position: relative;
    background-image: url("../IMG/level1.png");
    height: 100vh;
    background-size: cover;
    background-position: center center;
}

header {
    display: grid;
    grid-template-columns: 1fr 100px;
    background-color: darkblue;
    padding: 2rem 0 2rem 0;
}

h2 {
    padding-left: 2rem;
    text-align: left;
    color: yellow;
    text-shadow: -1px 0 pink, 0 1px pink, 1px 0 pink, 0 -1px pink;
}

    h2 > span {
        color: red;
    }

#container, #container2 {
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
}

#box, #box2 {
    background-color: aquamarine;
    width: 450px;
    height: 200px;
    border: 5px solid pink;
    border-radius: 35px;
}

#result, #result2 {
    display: grid;
    grid-template-columns: 1fr 1fr;
    font-size: 1.5rem;
    font-weight: bold;
    color: blue;
    text-align: left;
```

```
    line-height: 2.5rem;
    text-shadow: -0.5px 0 black, 0 0.5px black, 0.5px 0, 0 -0.5px red;
    font-family: Arial, Helvetica, sans-serif;
    padding-left: 4rem;
}

#result2 {
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
}

    #result2 p {
        font-size: 1.3rem;
    }

img#fixed {
    position: absolute;
    left: 10%;
    bottom: 0;
}
```

score.js

```
let scoResult = document.querySelector("#scoResult");
let hitResult = document.querySelector("#hitResult");
let missResult = document.querySelector("#missResult");


let lv1hits = document.querySelector("#lv1hits");
let lv1miss = document.querySelector("#lv1miss");
let lv2hits = document.querySelector("#lv2hits");
let lv2miss = document.querySelector("#lv2miss");
let lv3hits = document.querySelector("#lv3hits");
let lv3miss = document.querySelector("#lv3miss");

const ageResult = JSON.parse(localStorage.getItem("ageLocal"));
const localscore = JSON.parse(localStorage.getItem("score"));
const localhit = JSON.parse(localStorage.getItem("hit"));
const localmiss = JSON.parse(localStorage.getItem("miss"));

const level1hit = JSON.parse(localStorage.getItem("Lv1hit"));
const level1miss = JSON.parse(localStorage.getItem("Lv1miss"));
const level2hit = JSON.parse(localStorage.getItem("Lv2hit"));
const level2miss = JSON.parse(localStorage.getItem("Lv2miss"));
const level3hit = JSON.parse(localStorage.getItem("Lv3hit"));
const level3miss = JSON.parse(localStorage.getItem("Lv3miss"));

document.querySelector("#name").innerHTML += localStorage.getItem("nameLocal");
document.querySelector("#age").innerHTML += JSON.parse(localStorage.getItem("ageLocal"));
scoResult.innerHTML += localscore;
hitResult.innerHTML += localhit;
missResult.innerHTML += localmiss;


lv1hits.innerHTML += level1hit;
lv1miss.innerHTML += level1miss;
lv2hits.innerHTML += level2hit;
lv2miss.innerHTML += level2miss;
lv3hits.innerHTML += level3hit;
lv3miss.innerHTML += level3miss;
```

Figure 1.1

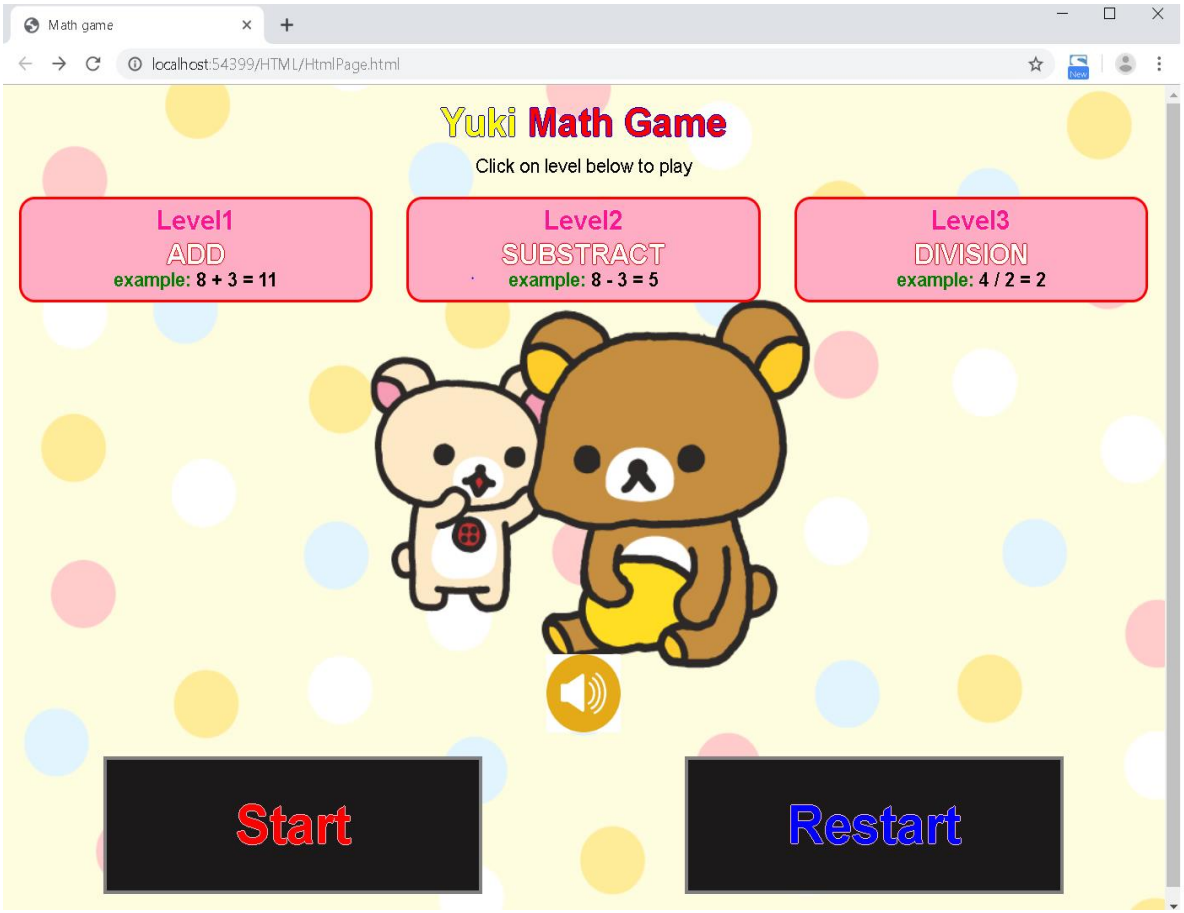

Math game
localhost:54399/HTML/HtmlPage.html
Yuki Math Game
Click on level below to play
Level1
ADD
example: 8 + 3 = 11
Level2
SUBSTRACT
example: 8 - 3 = 5
Level3
DIVISION
example: 4 / 2 = 2
Start
Restart

Figure 1.2

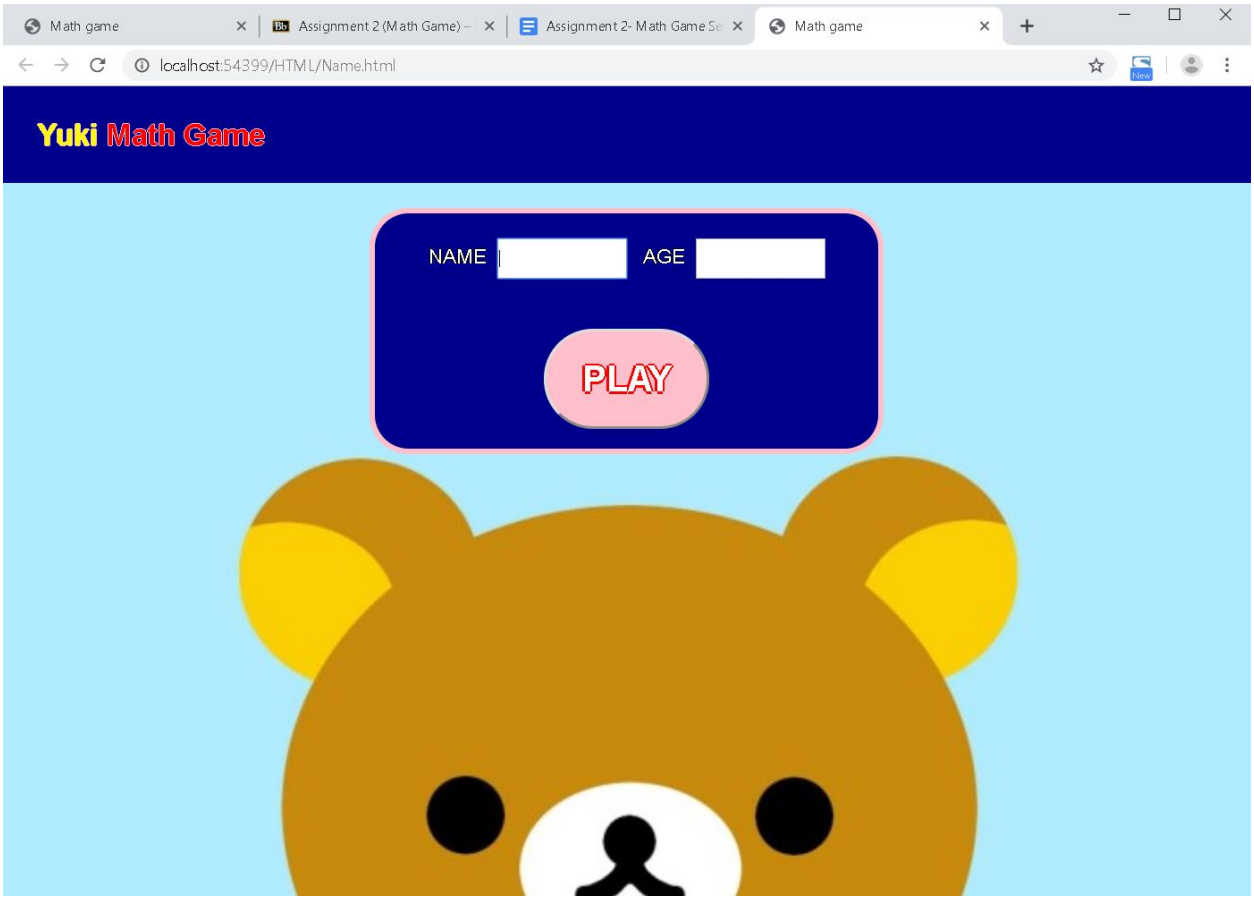
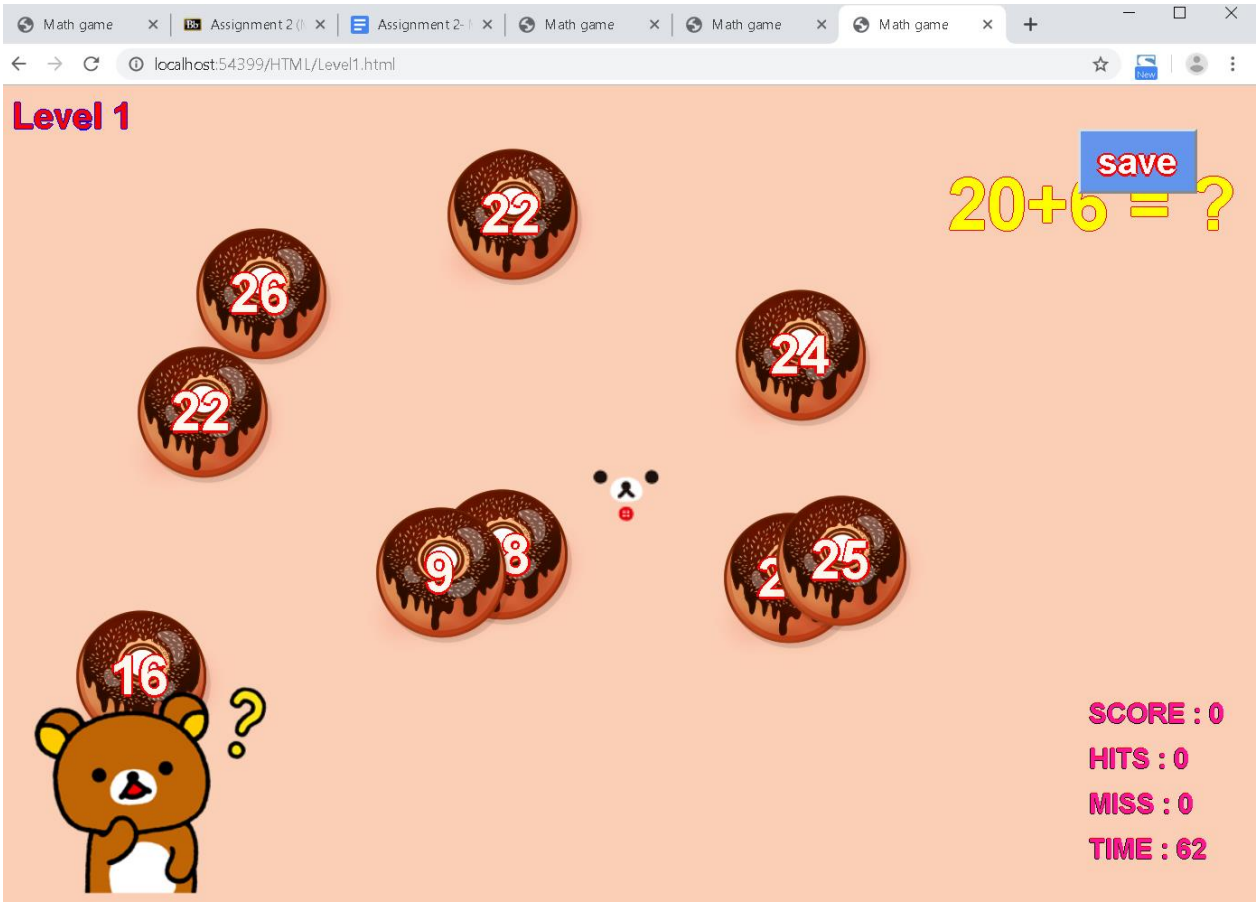
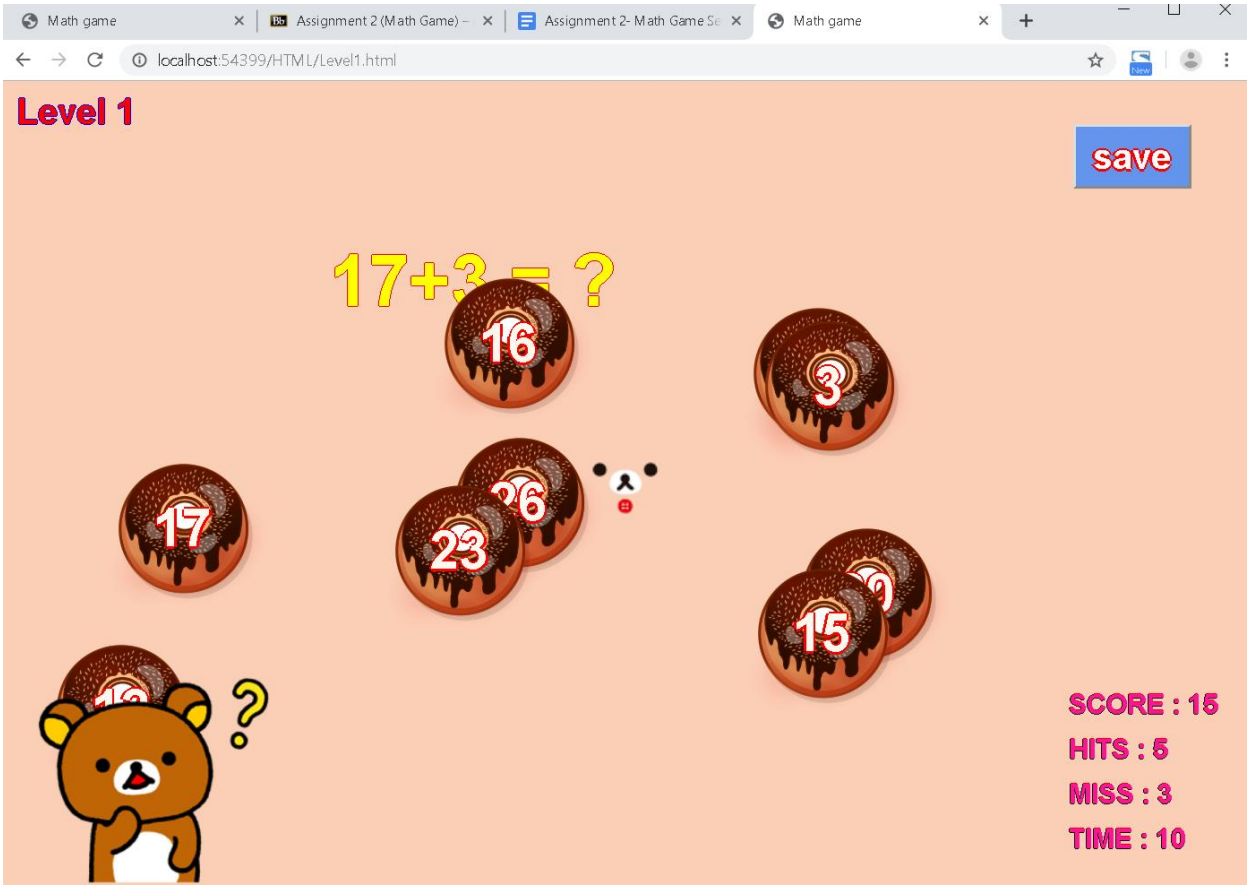
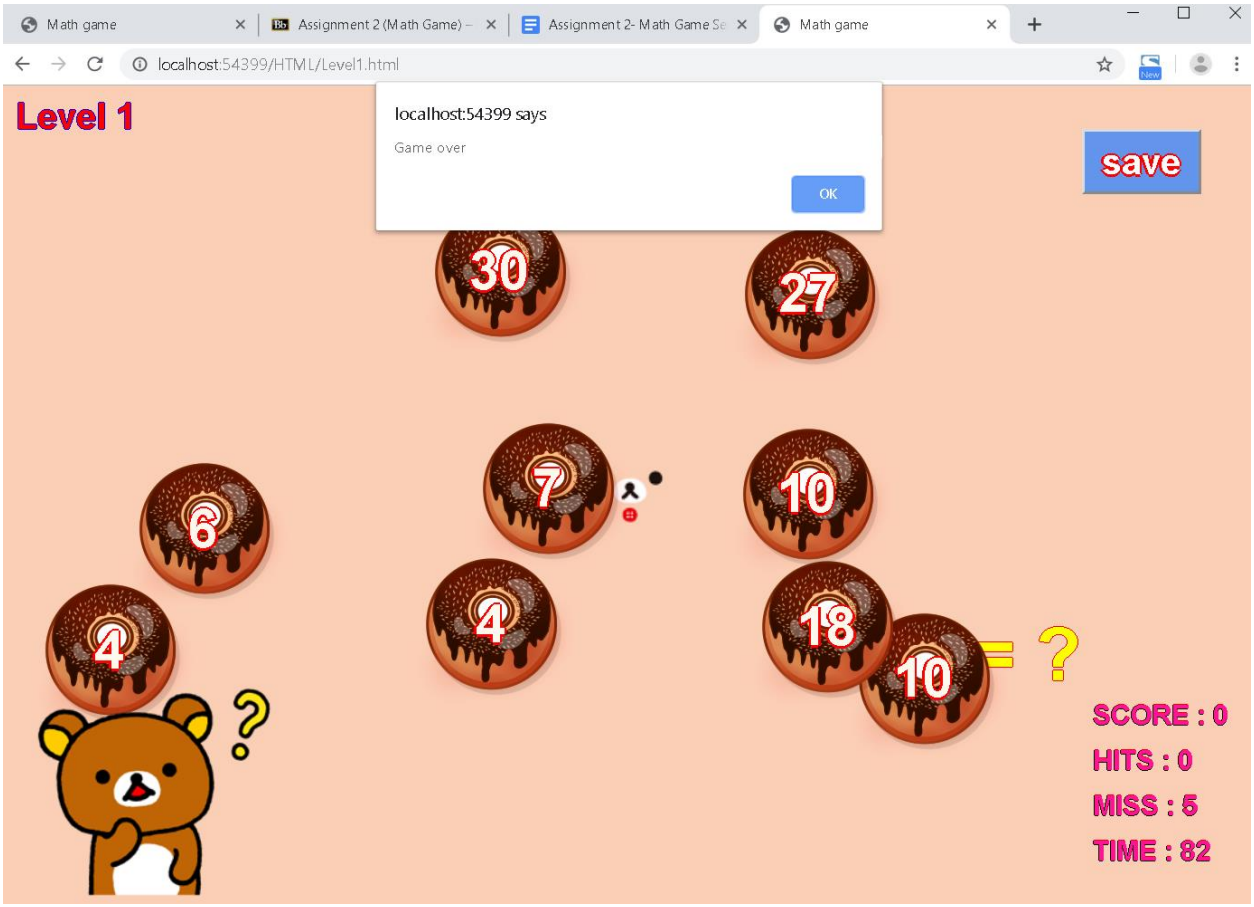
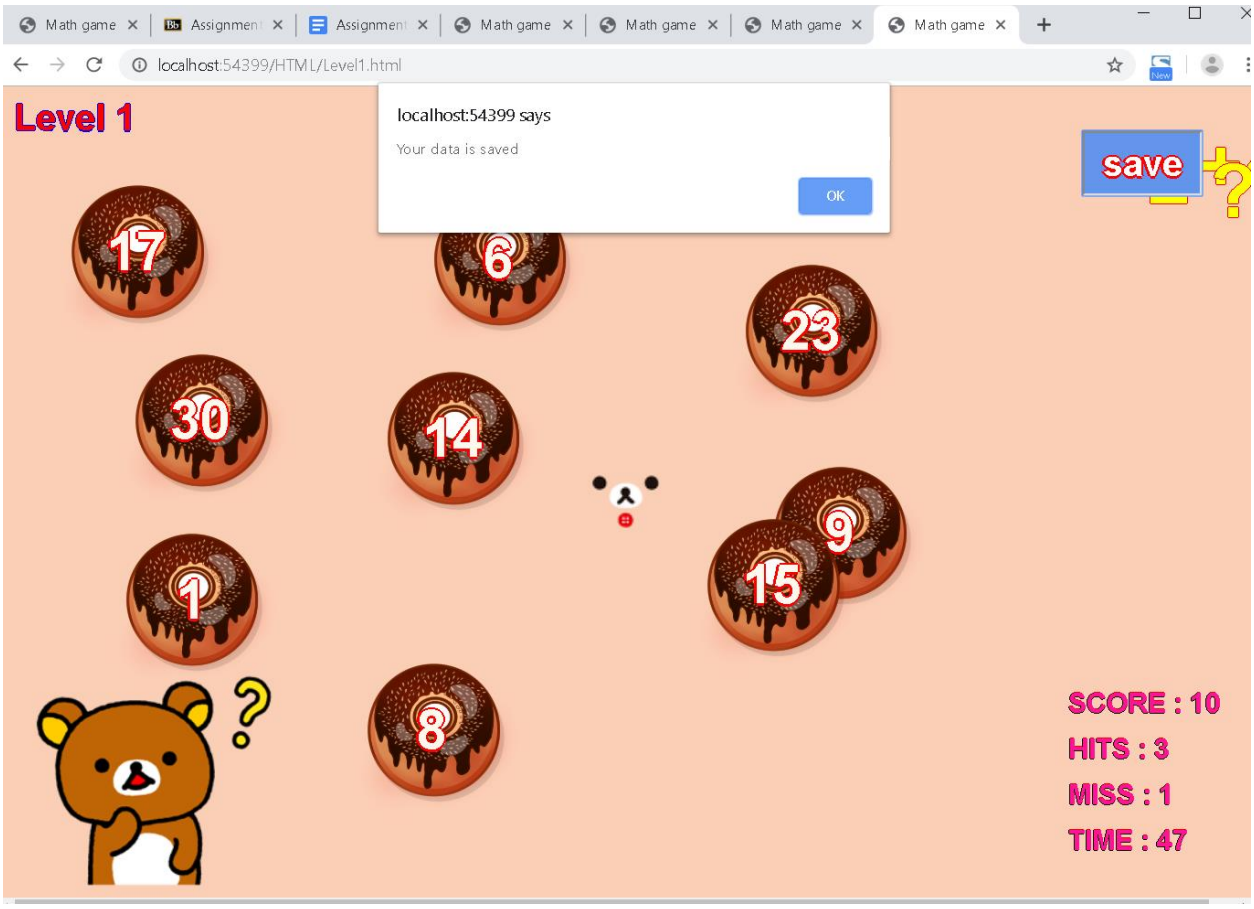

Math game
Assignment 2 (Math Game) –
Assignment 2- Math Game Se
Math game
localhost:54399/HTML/Name.html
Yuki Math Game
NAME
AGE
PLAY

Figure 1.3 Level1

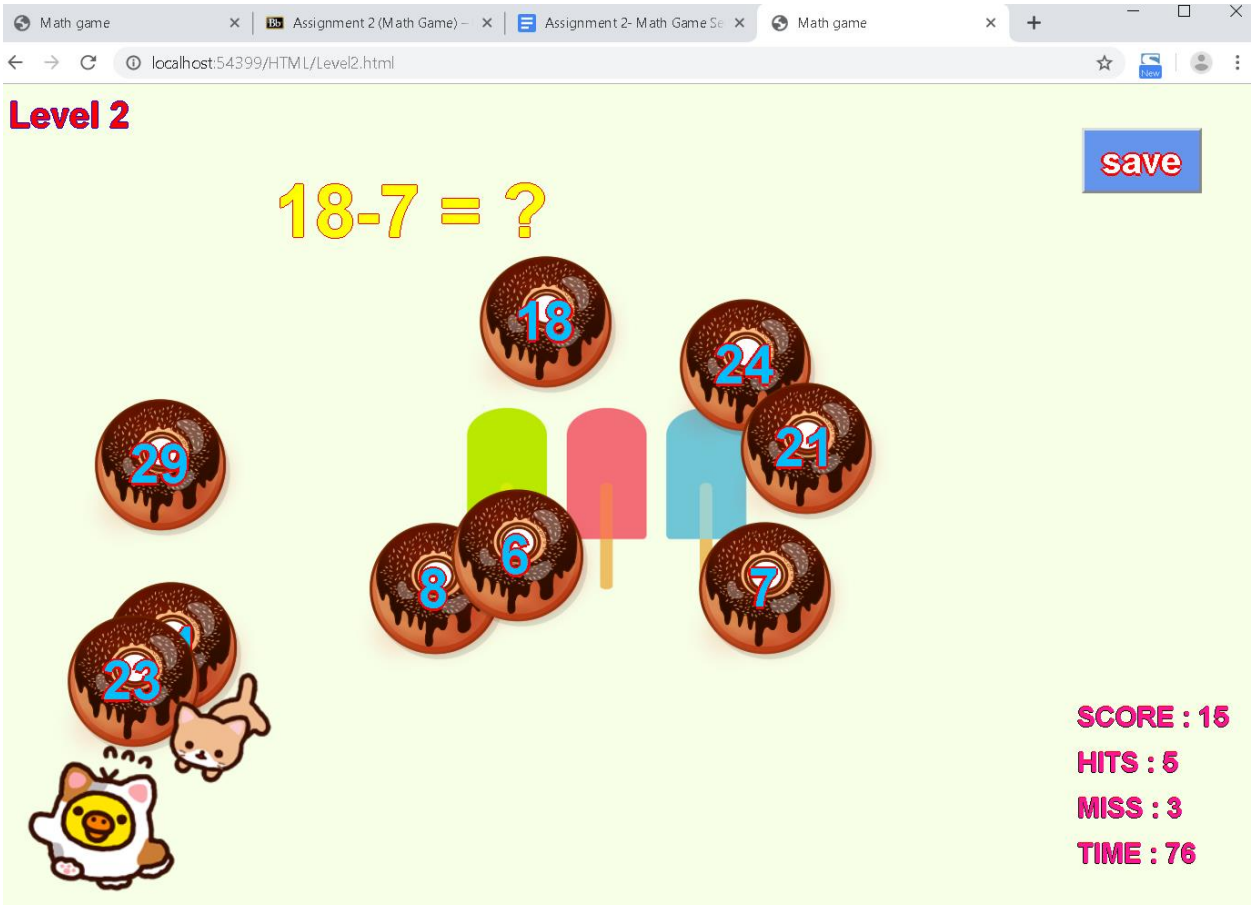


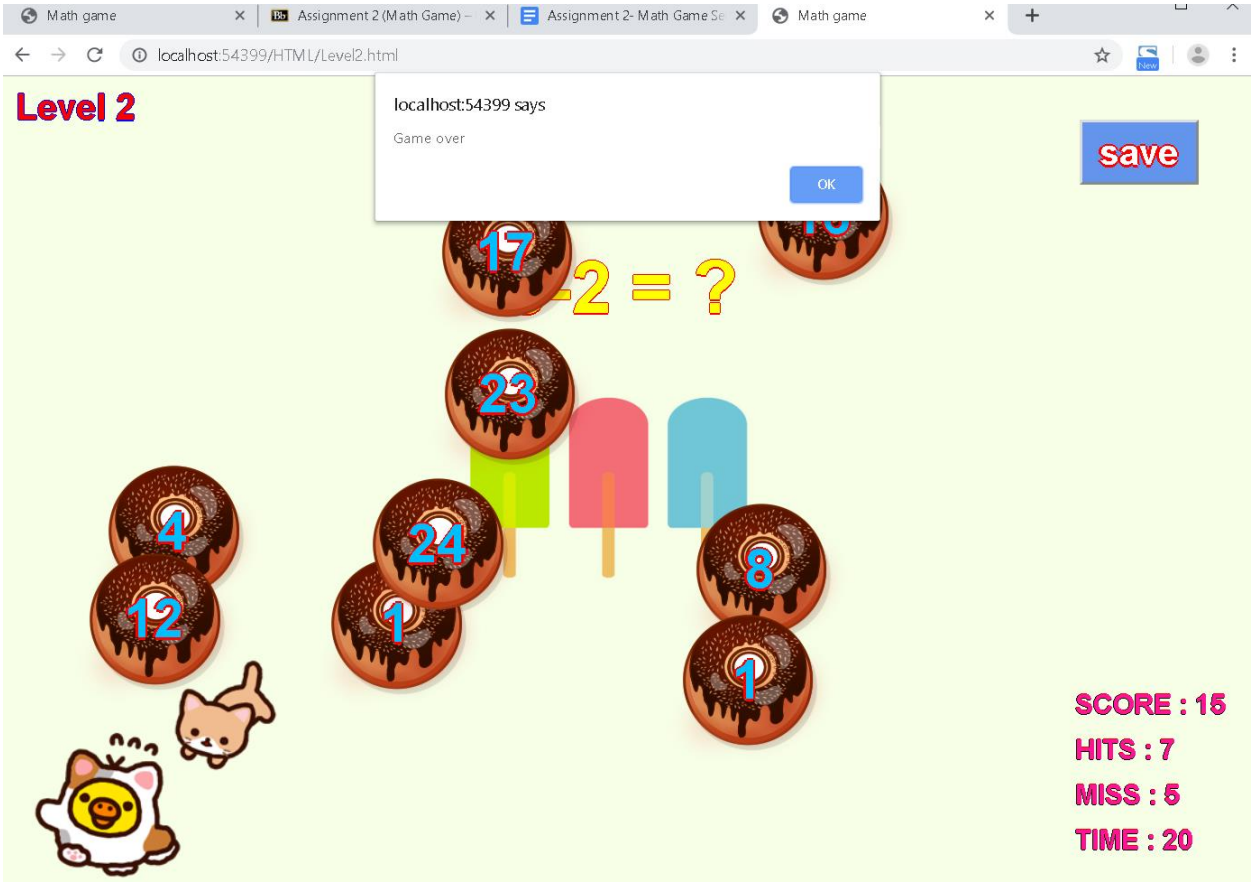

Math game
Assignment 2 (Math Game) –
Assignment 2- Math Game Se
Math game
localhost:54399/HTML/Level1.html
Level 1
save
17+3 = ?
16
3
17
26
23
15
SCORE : 15
HITS : 5
MISS : 3
TIME : 10


Math game
Assignment 2 (Math Game) –
Assignment 2- Math Game Se
Math game
localhost:54399/HTML/Level1.html
Level 1
localhost:54399 says
Game over
OK
save
30
27
7
10
6
4
4
18
10
?
SCORE : 0
HITS : 0
MISS : 5
TIME : 82

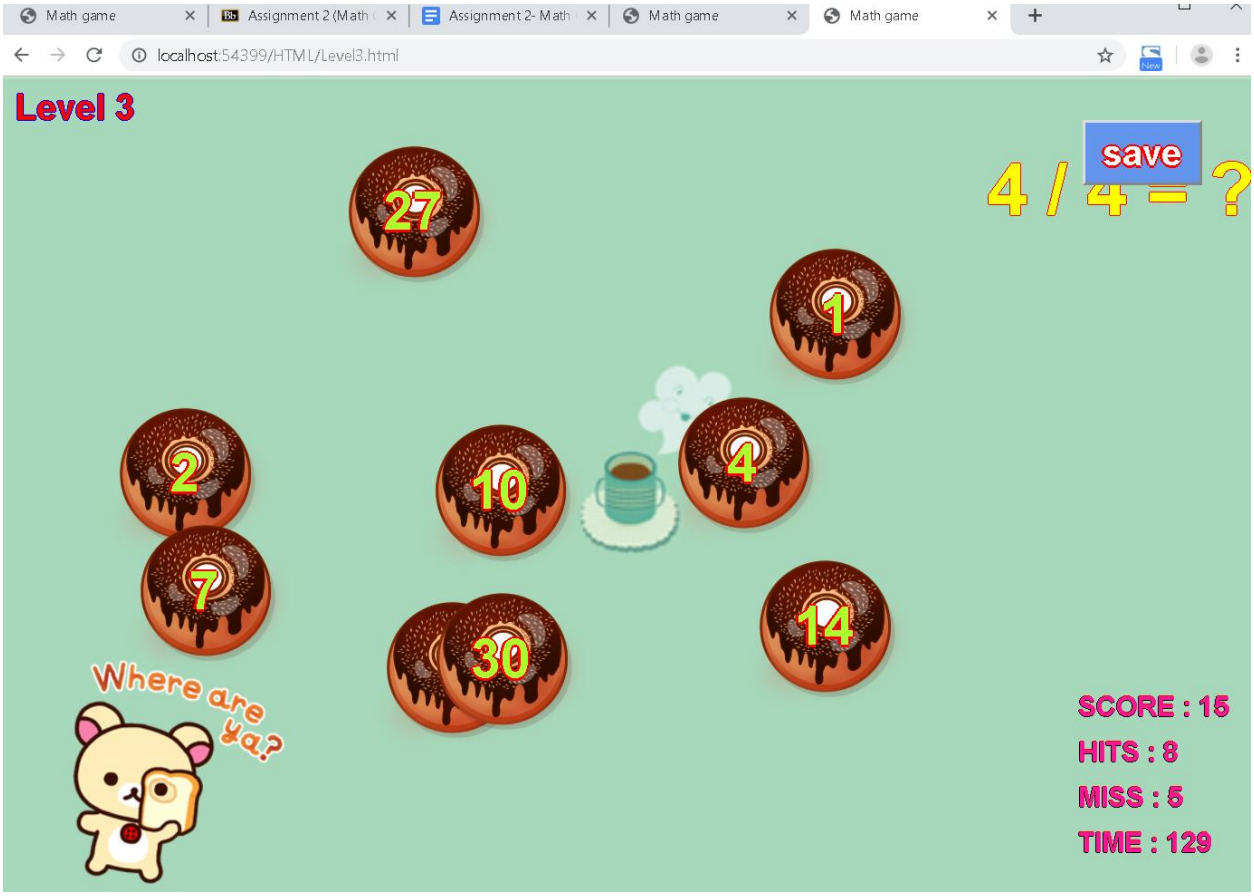

Math game
Assignment
Assignment
Math game
Math game
Math game
Math game
localhost:54399/HTML/Level1.html
Level 1
localhost:54399 says
Your data is saved
OK
save
17
6
23
30
14
9
15
1
8
SCORE : 10
HITS : 3
MISS : 1
TIME : 47

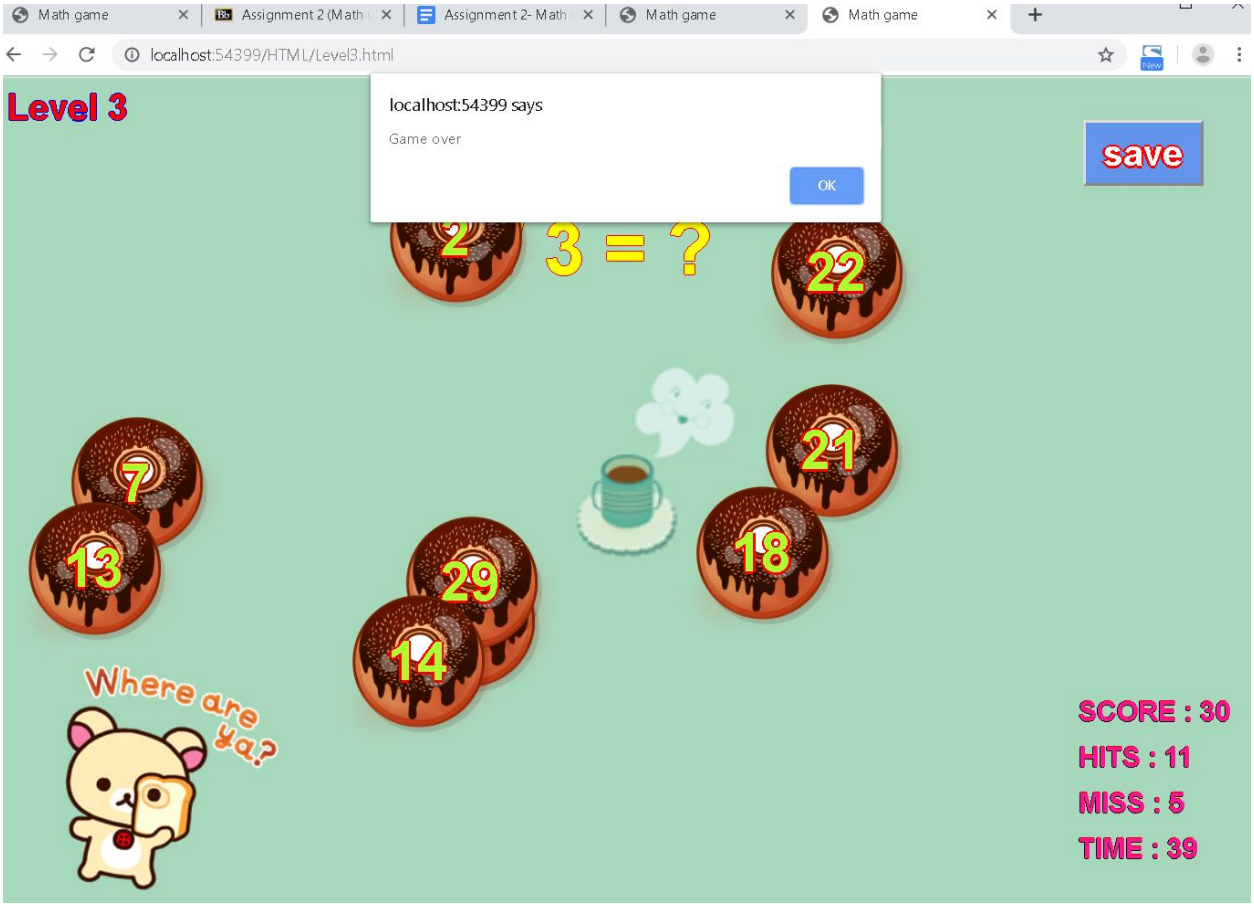
Level2


Math game
Assignment 2 (Math Game) –
Assignment 2- Math Game Se
Math game
localhost:54399/HTML/Level2.html
Level 2
save
18-7 = ?
18
24
29
21
6
8
7
23
SCORE : 15
HITS : 5
MISS : 3
TIME : 76


Math game
Assignment 2 (Math Game) –
Assignment 2- Math Game Se
Math game
localhost:54399/HTML/Level2.html
Level 2
localhost:54399 says
Game over
OK
save
17
2 = ?
23
4
12
24
1
8
1
SCORE : 15
HITS : 7
MISS : 5
TIME : 20

Level3


Math game
Assignment 2 (Math
Assignment 2- Math
Math game
Math game
localhost:54399/HTML/Level3.html
Level 3
save
4 / 4 = ?
27
1
2
10
4
7
30
14
Where are ya?
SCORE : 15
HITS : 8
MISS : 5
TIME : 129


Math game
Assignment 2 (Math
Assignment 2- Math
Math game
Math game
localhost:54399/HTML/Level3.html
Level 3
localhost:54399 says
Game over
OK
save
3 = ?
22
7
13
29
14
21
18
Where are ya?
SCORE : 30
HITS : 11
MISS : 5
TIME : 39

Score

Math game
Assignment 2 (Math
Assignment 2- Math
Math game
Math game
localhost:54399/HTML/score.html
Yuki Math Game Result
Name: yuki
Age: 26
SCORE : 25
HITS : 11
MISS : 6
Level 1
Hits:4
Miss: 1
Level 2
Hits:4
Miss: 4
Level 3
Hits:3
Miss: 1