Mini Project

**Web Programming**

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Slot - L19+20+25+26

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# Question: Create an arithmetic game using HTML, Javascript and React programming language.

Code:



}

};

const Question = ({ question, a, b, c, d, correct, currStats, updateStats

}) => {

const [checked, setChecked] = useState(false); const [corrected, setCorrect] = useState(false); const [enable, setEnable] = useState(true);

return (

<div className='question-container'>

<h2>{question}</h2>

<div className='question-options'>

<div

className='option-square'

onClick={(event) => handleOptionClick(event, 'a', correct, checked, setChecked, enable, setEnable, currStats, updateStats, corrected, setCorrect)}

data-enable={enable}

>

{a}

</div>

<div

className='option-square'

onClick={(event) => handleOptionClick(event, 'b', correct, checked, setChecked, enable, setEnable, currStats, updateStats, corrected, setCorrect)}

data-enable={enable}

>

{b}

</div>

<div

className='option-square'

onClick={(event) => handleOptionClick(event, 'c', correct, checked, setChecked, enable, setEnable, currStats, updateStats, corrected, setCorrect)}

data-enable={enable}

>

{c}

</div>

<div

className='option-square'

onClick={(event) => handleOptionClick(event, 'd', correct, checked, setChecked, enable, setEnable, currStats, updateStats, corrected, setCorrect)}

data-enable={enable}

>

{d}

</div>

</div>

<h3 className={corrected ? 'green' : 'red'}>{checked ? (corrected ? 'Correct' : 'Incorrect') : ''}</h3>

</div>

);

};

const questions = [

{

"question": "What is 2 + 2?",

"a": "3",

"b": "4",

"c": "5",

"d": "6",

"correct": "b"

},

{

"question": "What is 5 - 3?",

"a": "1",

"b": "2",

"c": "3",

"d": "4",

"correct": "b"

},

{

"question": "What is 3 x 4?",

"a": "9",

"b": "10",

"c": "11",

"d": "12",

"correct": "d"

},

{

"question": "What is 10 ÷ 2?",

"a": "3",

"b": "4",

"c": "5",

"d": "6",

"correct": "b"

},

{

"question": "What is 7 + 8?",

"a": "13",

"b": "14",

"c": "15",

"d": "16",

"correct": "b"

},

{

"question": "What is 9 - 5?",

"a": "3",

"b": "4",

"c": "5",

"d": "6",

"correct": "c"

},

{

"question": "What is 6 x 3?",

"a": "16",

"b": "17",

"c": "18",

"d": "19",

"correct": "c"

},

{

"question": "What is 12 ÷ 3?",

"a": "2",

"b": "3",

"c": "4",

"d": "5",

"correct": "b"

},

{

"question": "What is 4 + 7?",

"a": "10",

"b": "11",

"c": "12",

"d": "13",

"correct": "d"

},

{

"question": "What is 15 - 9?",

"a": "4",

"b": "5",

"c": "6",

"d": "6",

"correct": "b"

},

{

"question": "What is 5 x 5?",

"a": "20",

"b": "21",

"c": "22",

"d": "25",

"correct": "d"

},

{

"question": "What is 18 ÷ 2?",

"a": "7",

"b": "8",

"c": "9",

"d": "10",

"correct": "b"

},

{

"question": "What is 9 + 6?",

"a": "13",

"b": "14",

"c": "15",

"d": "16",

"correct": "c"

},

{

"question": "What is 8 - 4?",

"a": "2",

"b": "3",

"c": "4",

"d": "5",

"correct": "c"

},

{

"question": "What is 7 x 4?",

"a": "24",

"b": "25",

"c": "26",

"d": "28",

"correct": "a"

},

]

function MakeQuestions({ currStats, updateStats }) { return questions.map((element, ind) => (

<Question question={element.question} a={element.a} b={element.b} c={element.c} d={element.d} correct={element.correct} updateStats={updateStats} currStats={currStats} key={ind + 1}

/>

));

}





height: 300px; display: flex;

justify-content: center; align-items: center; border-radius: 50px;

border: 2px solid transparent; font-size: 1.4rem;

transition-property: color, border, background-color; transition: 0.3s ease-in-out;

background-color: rgb(134, 91, 174); color: aliceblue;

}

.option-square[data-enable="true"]:hover { border: 2px solid rgb(224, 82, 64); background-color: cadetblue;

}

.option-square[data-enable="false"] { color: rgb(178, 178, 178);

border: 2px solid rgb(178, 178, 178);

background-color: rgb(111, 102, 119);

}

#score {

position: fixed; top: 20px; right: 50px; display: flex;

flex-direction: column; align-items: flex-start;

background-color: rgb(134, 91, 174);

font-weight: 800; font-size: 1.4rem; color: aliceblue; padding: 20px; border-radius: 30px;

}

.green {

color: green;

}

.red {

color: red;

}

# Output:









