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DEPARTMENT OF COMPUTER STUDIES
ITEC 106 – IT ELECTIVE 2 (WEB SYSTEM AND TECHNOLOGIES 2)

Name : De Jesus, Juvyn Marc	Section : BSIT 3A
Assignment No : 2	Submission Date : Mar. 16, 2024
Assignment Title: Rock, Paper, Scissors	

Code :

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Rock Paper Scissors</title>
  <link rel="stylesheet" href="styless.css">
</head>
<body>
  <div class="container">
    <h1>Rock Paper Scissors</h1>
    <div class="scoreboard">
      <p>You: <span id="player-score">0</span></p>
      <p>Computer: <span id="computer-score">0</span></p>
    </div>
    <div class="picks">
      <p>Player Pick: <span id="player-pick"></span></p>
      <p>Computer Pick: <span id="computer-pick"></span></p>
    </div>
    <div class="choices">
      <button onclick="play('rock')">🪨</button>
      <button onclick="play('paper')"> ✋ </button>
      <button onclick="play('scissors')"> ✌ </button>
    </div>
    <div id="result"></div>
  </div>
  <script src="scripts.js"></script>
</body>
</html>
```

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It shall produce professional, skilled and morally upright individuals for global competitiveness.

JS FILE

```javascript
  let playerScore = 0;
let computerScore = 0;

function play(playerChoice) {
   const choices = ['rock', 'paper', 'scissors']; const
   computerChoice = choices[Math.floor(Math.random() * 3)];

   document.getElementById('player-pick').innerText = playerChoice.toUpperCase();
   document.getElementById('computer-pick').innerText =
   computerChoice.toUpperCase();

   if (playerChoice === computerChoice) {
      showResult('It\'s a TIE');
   } else if ((playerChoice === 'rock' && computerChoice === 'scissors') ||
         (playerChoice === 'paper' && computerChoice === 'rock') ||
         (playerChoice === 'scissors' && computerChoice === 'paper'))
      { playerScore++; showResult('You Win');
   } else { computerScore++;
      showResult('You
      Lose');
   }

   updateScore();
}

function updateScore() {
   document.getElementById('player-score').innerText = playerScore;
   document.getElementById('computer-score').innerText = computerScore;
}

function showResult(result) {
   const resultElement = document.getElementById('result');
   resultElement.innerText = result; if (result === 'You Win')
   {
      resultElement.style.color = 'green';
   } else if (result === 'You Lose') {
      resultElement.style.color = 'red';
   } else { resultElement.style.color = 'black'; // Change text color to black
      for tie
```

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```
        }
    }


CSS FILE
        .container { text-
            align: center;
            margin-top: 50px;
        }

        .choices button { font-
            size: 100px;
            margin: 20px;
            border: none;
            background: none;
            cursor: pointer;
            width: 100px;
            height: 100px;
        }

        .choices button img {
            font-size: larger;
            width: 100px; height:
            100%; border-radius:
            100%;
        }

        .scoreboard { margin-
            bottom: 20px;
        }

        #result { margin-
            top: 20px; font-
            size: 24px;
        }

        .win { color:
            green;
        }

        .lose { color:
            red;
```

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SCREENSHOT

You: 0

Computer: 0

Player Pick: SCISSORS

Computer Pick: SCISSORS

It's a TIE

You: 0

Computer: 1

Player Pick: PAPER

Computer Pick: SCISSORS

You Lose

You: 1

Computer: 0

Player Pick: PAPER

Computer Pick: ROCK

You Win