

CvSU Vision

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**CAVITE STATE UNIVERSITY****Imus Campus**

Cavite Civic Center Palico IV, Imus, Cavite
(046) 471-66-07 / (046) 471-67-70 / (046) 686- 23-49

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CvSU Mission

Cavite State University shall provide excellent, equitable and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.

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

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

Name : Aubriana Chanelle M Buyo	Section : BSIT 3C
Assignment No : 2	Submission Date : March 12 2024
Assignment Title: Rock Paper and Scissors	

Code :

```
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Rock Paper Scissors</title>
  <style>
    body {
      font-family: Arial, sans-serif;
    }
    #game {
      text-align: center;
    }
    #choices img {
      width: 100px;
      cursor: pointer;
    }
    #result {
      font-size: 50px;
    }
  </style>
</head>
<body>

  <div id="game">
    <h1><b>Rock - Paper - Scissors</b></h1>
    <div id="choices">
      
```

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```


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

<br>
<br>
<script>
function play(userChoice) {
  const choices = ['rock', 'paper', 'scissors'];
  const computerChoice = choices[Math.floor(Math.random() * choices.length)];

  document.getElementById('rock').style.pointerEvents = 'none';
  document.getElementById('paper').style.pointerEvents = 'none';
  document.getElementById('scissors').style.pointerEvents = 'none';

  document.getElementById('result').innerHTML = `PLAYER: ${userChoice} <br>
COMPUTER: ${computerChoice}. <br>`;

  setTimeout(() => {
    document.getElementById('rock').style.pointerEvents = 'auto';
    document.getElementById('paper').style.pointerEvents = 'auto';
    document.getElementById('scissors').style.pointerEvents = 'auto';

    document.getElementById('result').innerHTML += getResult(userChoice,
computerChoice);
  }, 500);
}

function getResult(userChoice, computerChoice) {
  if (userChoice === computerChoice) {
    return "<span style='color:black; font-weight: bold;'>It's a tie!</span>";
```

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```
    } else if ((userChoice === 'rock' && computerChoice === 'scissors') || (userChoice ===  
'paper' && computerChoice === 'rock') || (userChoice === 'scissors' && computerChoice ===  
'paper')) {  
        return "<span style='color:green; font-weight: bold;'>You win!</span>";  
    } else {  
        return "<span style='color:red; font-weight: bold;'>Computer wins!</span>";  
    }  
}  
</script>  
  
</body>  
</html>
```

SCREENSHOT

Rock - Paper - Scissors



PLAYER: paper
COMPUTER: rock.
You win!

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Rock - Paper - Scissors



PLAYER: scissors
COMPUTER: rock.
Computer wins!

Rock - Paper - Scissors



PLAYER: scissors
COMPUTER: scissors.
It's a tie!

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Dictionary:

viewport meta tag - controls the layout on mobile browsers by setting the width of the viewport to the width of the device and scaling the content to fit the screen width. It ensures that the website looks good and works properly on a variety of devices with different screen sizes and resolutions.

Example:

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

cursor property: This CSS property specifies the type of cursor to be displayed when hovering over an element. It allows you to change the cursor's appearance to a pointer, hand, or any of the other predefined cursor styles.

Example:

```
#choices img {  
    cursor: pointer;  
}
```

setTimeout function: This JavaScript function calls a specified function or code after a millisecond delay. It allows code execution to be delayed, which is useful for implementing animations, timed events, or asynchronous operations.

Example:

```
setTimeout(() => {  
}, 500);
```

innerHTML property: This JavaScript property allows you to get or set an element's HTML content including tags. It allows you to change the content of an HTML element with JavaScript.

Example:

```
document.getElementById('result').innerHTML = `PLAYER: ${userChoice} <br> COMPUTER:  
${computerChoice}. <br>`;
```

style property: This property allows you to access or modify an HTML element within CSS styles using JavaScript. It allows you to dynamically change the appearance of elements like colors, fonts, and sizes.

Example:

```
document.getElementById('result').style.fontSize = '50px';
```