

Lecture 8: Skittles Code

```

<body>
  <header>
    <h1>How many <span id="color" class="green">green </span>Skittles are in the jar?</h1>
  </header>

  <main>
    <!-- The Skittles jar! -->
    <div id="jar">
      <div class="skittle blue"></div>
      <div class="skittle green"></div>
      <div class="skittle green"></div>
      <div class="skittle green"></div>
      <div class="skittle red"></div>
    <!-- More skittles... -->
  </div>
  <article id="game-setup">
    <button id="start-btn">Start!</button>
  </article>
  <article id="game-play">
    <button id="answer-btn">Give me the answer!</button>
    <p class="hidden">There are <span id="count"></span> skittles in the jar!</p>
  </article>
</main>
</body>

```

Warmup: Fill in the Selectors (you may assume the shorthands id, qs, qsa are available)

Description	CSS Selector	Selecting in JS:
The jar	#jar	document.getElementById("jar"); // or shorthand: id("jar") document.querySelector("#jar"); // or shorthand: qs("#jar")
All skittles	.skittle	document.querySelectorAll(".skittle");
All green skittles		
The span tag in the header		
The p in #game-play	#game-play p	

From Pre-Check:

```
(function() {  
  // 1.1. Write the event listener for the window load event (one statement)  
  
  function init() {  
    id("answer-btn").addEventListener("click", showAnswer);  
    // 2.1 call fillJar when #start-btn is clicked  
  }  
  
  function showAnswer() {  
    // 3.1. Write the statement to get all green skittles  
  
    // 3.2. Update.textContent of #count to include length of green skittles collection from 1.  
  
    // 3.3. Show p tag.  
  }  
  
  function fillJar() {  
    // Part 4.  
    // Create and add one "test" skittle (a div element with the classes ".skittle" and ".green")  
  
  }  
  
  // Get a random color for a skittle (implemented)  
  function getRandomColor() {  
    let COLORS = ["red", "green", "blue"];  
    let randIndex = Math.floor(Math.random() * COLORS.length);  
    return COLORS[randIndex];  
  }  
  
  // Helper functions provided for id, qs, qsa, and gen  
})();
```