

Question 1: 14

```
<select multiple>
  <option value="1">0001</option>
  <option value="2">0010</option>
  <option value="4">0100</option>
  <option value="8">1000</option>
</select> = <span id="output">0</span>
<script>
  // Get the output and select element
  let select = document.querySelector("select");
  let output = document.querySelector("#output");

  // Wait for any change to occur in the select element
  select.addEventListener("change", () => {
    // Have a temp var that is a running total
    let number = 0;

    // For each option in the select element, if it is selected, add its
value to the running total
    for (let option of Array.from(select.options)) {
      if (option.selected) {
        number += Number(option.value);
      }
    }

    // Set the output to the running total
    output.textContent = number;
  });
</script>
```