

Experiment 6

AIM: To convert number to words using JavaScript

```
function numberToWords(num) {
    if (num === 0) return "Zero";
    const belowTwenty = ["", "One", "Two", "Three", "Four", "Five", "Six", "Seven", "Eight", "Nine", "Ten",
"Eleven", "Twelve", "Thirteen", "Fourteen", "Fifteen", "Sixteen", "Seventeen", "Eighteen", "Nineteen"];
    const tens = ["", "", "Twenty", "Thirty", "Forty", "Fifty", "Sixty", "Seventy", "Eighty", "Ninety"];
    const thousands = ["", "Thousand", "Million", "Billion"];

    function helper(n) {
        if (n === 0) return "";
        else if (n < 20) return belowTwenty[n] + " ";
        else if (n < 100) return tens[Math.floor(n / 10)] + " " + helper(n % 10);
        else return belowTwenty[Math.floor(n / 100)] + " Hundred " + helper(n % 100);
    }

    let word = "";
    let i = 0;

    while (num > 0) {
        if (num % 1000 !== 0) {
            word = helper(num % 1000) + thousands[i] + " " + word;
        }
        num = Math.floor(num / 1000);
        i++;
    }

    return word.trim();
}

document.addEventListener("DOMContentLoaded", function() {
    document.getElementById("convert").addEventListener("click", function() {
```

```
let number = parseInt(document.getElementById("numberInput").value, 10);  
let words = numberToWords(number);  
document.getElementById("output").innerText = words;  
});  
});
```

