P1

```
// problem_1
var inputString = prompt("Enter your text here : ").toLowerCase()
vowels = 0;
consonants = 0;

for (i = 0; i < inputString.length; i = i + 1) {
    if (inputString[i] == "a" || inputString[i] == "e" || inputString[i] == "i" || inputString[i] == "o" || inputString[i] == "u") {
        vowels = vowels + (+1);
    } else {
        consonants = consonants + (+1)
    }
}
console.log("Number of Vowels = " + vowels)
console.log("Number of Consonants = " + consonants)
```

P2

```
// problem 2
var inputNum = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30]
addition = 0;

for (i = 0; i < inputNum.length; i = i + 1) {
    if (((inputNum[i]) % 3) == 0) {
        addition = addition + inputNum[i]
    }
} console.log("Addition of 3 multiples = " + addition)
```

P3

```
// problem 3
var inputNumber = prompt("Enter your number : ")
decimal = inputNumber.length
summing = 0;

for (i = 0; i < inputNumber.length; i = i + 1) {
    all = (inputNumber[i]) ** decimal;
    summing = summing + (+all);
}
if (inputNumber == summing) {
    console.log(`Yes "${inputNumber}" is a Armstrong number`)
} else { console.log(`No "${inputNumber}" is not a Armstrong number`) }
```

P4

```javascript
// problem 4
var array01 = [3, 2, 6, 1, 4, 8, 2, 4, 3]
maximum = array01[0]

for (i = 0; i < array01.length; i = i + 1) {
    if (array01[i] > maximum) {
        maximum = array01[i]
    }
} console.log(`"${maximum}" is the largest number`)
```

P5

```javascript
// problem 5
var array02 = [3, 2, 6, 1, 4, 8, 2, 4, 3]
adding = 0;

for (i = 0; i < array02.length; i = i + 1) {
    adding = adding + (+array02[i])
}
console.log("Mean/average of integers = " + (adding / 2))
```