Monday, June 5, 2023 1:54 PM

```html
<body>
    <p>First</p>
    <div class="central">
        <p>Second</p>
        <ul>
            <li id="item">Third</li>
        </ul>
    </div>
</body>
```

```css
body {
    background-color: yellow;
    color: magenta;
}
p {
    color: orange;
}
.central,
.item {
    color: green;
}
#item {
    background-color: cyan;
}
```

	text	bg
First	black magenta Orange	white Yellow
Second	black magenta orange	white yellow
Third	black magenta green	white yellow cyan

li .item { bg : yellow }

li .item { color : red ; }

li .each { color : green }

 A

✓ <li class = "item"> B

 C

<li class = "item"> D

li .item {

}

li ≥ .item {

}

Write a regular expression which matches numbers between 0 and 255.

[0-9] | [1-9][0-9] | 1[0-9][0-9] | 2[0-4][0-9] | 25[0-5]

[0-9]

100 ~ 255

[1]

#

$

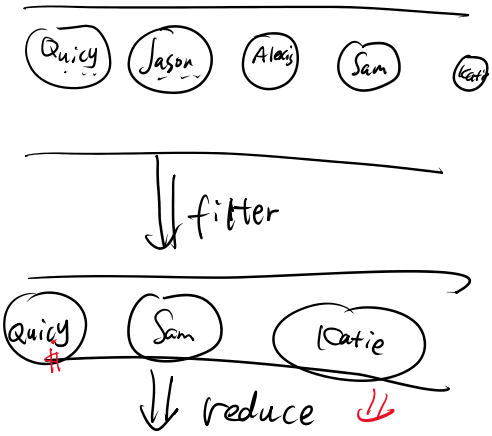
{3,6}

#Ab9 #oo97AD #CD7A34 #123 #abc

#([A-Fa-f0-9]{3} | [A-Fa-f0-9]{6})

```
const students = [
    { name: 'Quincy', grades: [99, 88], courses: ['cs301', 'cs303'] },
    { name: 'Jason', grades: [29, 38], courses: ['cs201', 'cs203'] },
    { name: 'Alexis', grades: [79, 78], courses: ['cs105', 'cs211'] },
    { name: 'Sam', grades: [91, 82], courses: ['cs445', 'cs303'] },
    { name: 'Katie', grades: [66, 77], courses: ['cs303', 'cs477'] }
];

students.filter(stu => stu.courses.includes('cs303'))
        .reduce((accu, stu) => {
            let average = stu.grades.reduce((avg, g, index, array) => avg
+ g/array.length, 0);
            accu[stu.name] = average;
            return accu;
        }, {});
```



(1) accu = { Quicy: 35, Sam: 86.5, 'Katie': — }

stu = Quicy

average = 93.5

accu['Quicy'] = 93.5

stu = Sam

average = 86.5

accu['Sam'] = 86.5

[99, 98]

$\frac{99+98}{2} = \frac{Sum}{2}$

$\frac{99}{2} + \frac{98}{2}$

[99, 98]

```
let average = stu.grades.reduce((avg, g, index, array) => avg + g/array.length, 0);
```

avg = 0

g = 98

avg = 0

g = 98

$$avg = \frac{0 + \frac{98}{2}}{} + \frac{98}{2}$$

avg