



## Hex Color Code ★

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CSS colors are defined using a hexadecimal (HEX) notation for the combination of Red, Green, and Blue color values (RGB).

Specifications of HEX Color Code

- It must start with a '#' symbol.
- It can have **3** or **6** digits.
- Each digit is in the range of **0** to **F**. (**1, 2, 3, 4, 5, 6, 7, 8, 9, 0, A, B, C, D, E** and **F**).
- **A – F** letters can be lower case. (**a, b, c, d, e** and **f** are also valid digits).

**Examples**

Valid Hex Color Codes

```
#FFF
#025
#F0A1FB
```

Invalid Hex Color Codes

```
#fffabg
#abcf
#12365erff
```

You are given **N** lines of CSS code. Your task is to print all valid Hex Color Codes, in order of their occurrence from top to bottom.

CSS Code Pattern

```
Selector
{
    Property: Value;
}
```

**Input Format**

The first line contains **N**, the number of code lines.

The next **N** lines contains CSS Codes.

**Constraints**

$0 < N < 50$

**Output Format**

Output the color codes with '#' symbols on separate lines.

**Sample Input**

```
11
#BED
{
    color: #FfFdF8; background-color:#aef;
    font-size: 123px;
```

```
background: -webkit-linear-gradient(top, #f9f9f9, #fff);
}
#Cab
{
background-color: #ABC;
border: 2px dashed #fff;
}
```

### Sample Output

```
#FfFdF8
#aef
#f9f9f9
#fff
#ABC
#fff
```

### Explanation

#BED and #Cab satisfy the Hex Color Code criteria, but they are used as selectors and not as color codes in the given CSS.

Hence, the valid color codes are:

```
#FfFdF8
#aef
#f9f9f9
#fff
#ABC
#fff
```

**Note:** There are no comments ( // or /\* \*/) in CSS Code.

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Python 3



```
1  import re
2
3  if __name__ == '__main__':
4      n = int(input())
5
6      lines = [input() for _ in range(n)]
7      css = '\n'.join(lines)
8
9      patron = r'(?!^)#([0-9A-Fa-f]{6}|[0-9A-Fa-f]{3})'
10
11     resultado = re.findall(patron, css, re.MULTILINE)
12
13     for r in resultado:
14         print(f'#{r}')
15
```

Line: 9 Col: 54

☒ Upload Code as File ☐ Test against custom input

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70%



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### ✓ Test case 0

### ✓ Test case 1

### ✓ Test case 2

### ✓ Test case 3

### ✓ Test case 4

### ✓ Test case 5

#### Compiler Message

Success

#### Input (stdin)

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```
1 11
2 #BED
3 {
4     color: #FfFdF8; background-color:#aef;
5     font-size: 123px;
6
7 }
8 #Cab
9 {
```

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