



Practice &gt; Python &gt; Regex and Parsing &gt; Hex Color Code

# Hex Color Code ☆

92/115 challenges solved

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Your Hex Color Code submission got 30.00 points.

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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**

Author

DOSHI

Difficulty

Easy

Max Score

30

Submitted By

5173

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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.

Current Buffer (saved locally, editable)



Python 3



```
1 import re, sys
2 n=int(input())
3 s=[input() for i in range(n)]
4 [print(j) for i in s for j in re.findall('[\s:](#[a-f0-9]{6}|#[a-f0-9]{3})', i, re.I)]
```

 Upload Code as File ☐ Test against custom input

Run Code

Submit Code



You have earned 30.00 points!  
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80%

Congratulations

You solved this challenge. Would you like to challenge your friends?



Next  
Challenge

-  Testcase 0
-  Testcase 1
-  Testcase 2
-  Testcase 3

6 Testcases

Input (stdin)

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Expected Output

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```
11
#BED
{
    color: #FfFdF8; background-color: #aef
}
```

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

Compiler Message

Success