



# Hex Color Code ★

87/115 challenges solved

Rank: 35281 | Points: 1515



Your Hex Color Code submission got 30.00 points.

[Share](#)[Post](#)[Try the next challenge](#) | [Try a Random Challenge](#)[Problem](#)[Submissions](#)[Leaderboard](#)[Editorial](#)

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.

[Change Theme](#)

Language

Python 3



```

1  # Enter your code here. Read input from STDIN. Print output to STDOUT
2  import re
3
4
5  hex_pattern = re.compile(r'#[0-9a-fA-F]{6}\b|#[0-9a-fA-F]{3}\b')
6
7  n = int(input()) # Read the number of input lines
8  css_lines = [input().strip() for _ in range(n)] # Read all input lines
9
10 inside_braces = False # Track whether we are inside a CSS block
11
12 for line in css_lines:
13     # Check if we enter or exit a CSS block
14     if '{' in line:
15         inside_braces = True
16     elif '}' in line:
17         inside_braces = False
18
19     # Extract hex color codes only when inside a CSS block
20     if inside_braces:
21         matches = hex_pattern.finditer(line)
22         for match in matches:
23             if '{' in line:
24                 if line.index('{') < match.start(1):
25                     print(match.group(1))
26             else:

```

27

```
print(match.group(1))
```

28

EMACS

Line: 28 Col: 1

Upload Code as File

☐ Test against custom input

Run Code

Submit Code

```
35
.arrow-up {
  width: 0;
  height: 0;
  border-left: 5px
  solid transparent;
```

You have earned 30.00 points!

87/115 challenges solved.

76%



## Congratulations

Next Challenge

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

✓ Test case 0

Compiler Message

✓ Test case 1

Success

✓ Test case 2

Input (stdin)

Download

✓ Test case 3

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

✓ Test case 4

✓ Test case 5

[Blog](#) | [Scoring](#) | [Environment](#) | [FAQ](#) | [About Us](#) | [Helpdesk](#) | [Careers](#) | [Terms Of Service](#) | [Privacy Policy](#)