

Hex Color Code

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

```
#ffabg
#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.