Description | Solution | Submissions | Discuss (64)

< Back   [Java/Python 3] 6 and 2 liners w/ analysis.

rock ★ 5275   Last Edit: December 2, 2019 5:20 PM   299 VIEWS

Java

```java
public String toHexspeak(String num) {
    long n = Long.parseLong(num);
    String res = Long.toHexString(n).toUpperCase().replace('1', 'I').replace('0', 'O');
    for (char c : res.toCharArray())
        if (Character.isDigit(c))
            return "ERROR";
    return res;
}
```

Python 3: credit to @dylan20

```python
def toHexspeak(self, num: str) -> str:
    # s = hex(int(num)).upper()[2 :].replace('0', 'O').replace('1', 'I')
    s = hex(int(num)).upper()[2 :].translate(str.maketrans('01', 'OI'))
    return 'ERROR' if any(c.isdigit() for c in s) else s
```

Analysis
Time & space: O(num.length())

💬 Comments: 1   Best   Most Votes   Newest to Oldest   Oldest to Newest

Type comment here... (Markdown is supported)

                                                                                      Post

dylan20   ★ 188   December 1, 2019 1:30 AM

```python
def toHexspeak(self, num):
    out = hex(int(num))[2:].upper().translate(string.maketrans("10", "IO"))
    return "ERROR" if any(x.isdigit() for x in out) else out
```

▲ 1 ▼   💬 Show 1 reply   ↩ Reply