

```
1 public static int str2Int(String str) {
2     if (str == null || str.isEmpty()) {
3         throw new IllegalArgumentException("Input argument can't be null or empty")
4     }
5     int sum = 0;
6     for(int i = 0; i < str.length(); i++) {
7         if(str.charAt(i) > '9' || str.charAt(i) < '0') {
8             throw new IllegalArgumentException(str.charAt(i) +
9                 " is not a valid input character");
10        }
11        sum = sum * 10 + str.charAt(i) - '0';
12    }
13    return sum + 1;
14 }
15
```