```
3
     def dominant_bigram(s):
 4
 5
         Return the most common bigram in string s.
 6
 7
         ## ---
 8
         res = ''
 9
         bigrams = \{\}
10
         for i in range(0, len(s) - 1):
11
              bigram = s[i] + s[i + 1]
              if bigram not in bigrams:
12
13
                  bigrams[bigram] = 0
              bigrams[bigram] += 1
14
15
         max_value = max(bigrams.values())
16
         for bigram in bigrams:
              if bigrams[bigram] == max_value:
17
                  res = bigram
18
19
         ##
20
21
         return res
22
23
     dominant_bigram("agctagta")
24
```

## Validation of Al-Generated Code is Burdensome

## Validation by execution is great but...

manual

time-consuming

filled with context-switching





## Validation of Al-Generated Code is Burdensome

```
def dominant_bigram(s):
         Return the most common bigram in string s.
         1 1 1
         res = ''
         bigrams = {}
         for i in range(0, len(s) - 1):
10
             bigram = s[i] + s[i + 1]
11
             if bigram not in bigrams:
12
13
                 bigrams[bigram] = 0
             bigrams[bigram] += 1
14
15
         max_value = max(bigrams.values())
16
         for bigram in bigrams:
             if bigrams[bigram] == max_value:
                 res = bigram
18
20
                               AI-Generated
         return res
22
23
24
     dominant_bigram("agctagta")
```

Validation by execution is great but...

- manual
- time-consuming
- filled with context-switching

## What might help validate Al-generated code?