Pangram.java

```
1   package com.example.string;
2
3   import java.util.HashSet;
4   import java.util.Set;
5
6   public class Pangram {
7       public boolean checkPangram(String str) {
8           Set<Character> set = new HashSet<>();
9
10          for (char ch : str.toCharArray()) {
11 4            if (ch >= 'a' && ch <= 'z')
12                 set.add(ch);
13
14 4            if (ch >= 'A' && ch <= 'Z') {
15                 ch = Character.toLowerCase(ch);
16                 set.add(ch);
17             }
18          }
19 2        return set.size() == 26;
20      }
21  }
```

Mutations

11	1. negated conditional → KILLED 2. negated conditional → KILLED 3. changed conditional boundary → KILLED 4. changed conditional boundary → KILLED
14	1. negated conditional → KILLED 2. negated conditional → KILLED 3. changed conditional boundary → KILLED 4. changed conditional boundary → KILLED
19	1. negated conditional → KILLED 2. replaced boolean return with true for com/example/string/Pangram::checkPangram → KILLED

Active mutators

- CONDITIONALS_BOUNDARY
- EMPTY_RETURNS
- FALSE_RETURNS
- INCREMENTS
- INVERT_NEGS
- MATH
- NEGATE_CONDITIONALS
- NULL_RETURNS
- PRIMITIVE_RETURNS
- TRUE_RETURNS
- VOID_METHOD_CALLS

Tests examined

- com.example.string.PangramTest.test(com.example.string.PangramTest) (0 ms)

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