# Validating UID ★



Problem Submissions Leaderboard Editorial 🛆

ABCXYZ company has up to 100 employees.

The company decides to create a unique identification number (UID) for each of its employees.

The company has assigned you the task of validating all the randomly generated UIDs.

A valid UID must follow the rules below:

- It must contain at least 2 uppercase English alphabet characters.
- It must contain at least 3 digits (0 9).
- It should only contain alphanumeric characters (a z, A Z & 0 9).
- No character should repeat.
- There must be exactly 10 characters in a valid UID.

## Input Format

The first line contains an integer T, the number of test cases.

The next  $m{T}$  lines contains an employee's UID.

#### **Output Format**

For each test case, print 'Valid' if the UID is valid. Otherwise, print 'Invalid', on separate lines. Do not print the quotation marks.

## Sample Input

2 B1CD102354 B1CDEF2354

#### Sample Output

Invalid Valid

### Explanation

**B1CD102354**: **1** is repeating → Invalid

B1CDEF2354: Valid

```
Change Theme Language Python 3 

# Enter your code here. Read input from STDIN. Print output to STDOUT
import re
```

```
3
4  def is_valid_uid(uid):
5  # Rule 1: Exactly 10 characters
6  if len(uid) != 10:
```

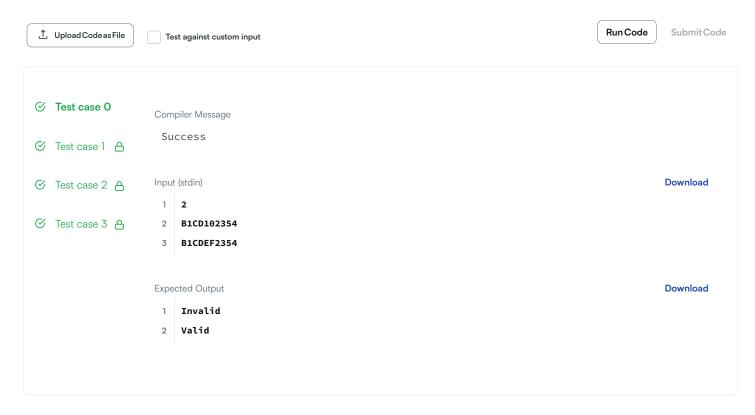
7 return False

print("Valid" if is\_valid\_uid(uid) else "Invalid")

30

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EMACS Line: 31 Col: 1



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