

# CMSC131 Lab

Sections 0108 or 0109

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**OH:** Tue. 6-7pm

# Program 1: verifyPassword

A password is valid if

- is at least the `minLength` number of character
- has at least one digit (use `Character.isDigit`)
- has at least 1 uppercase character (use `Character.isUpperCase`)

Return value:

- 1 if too short
- 2 if it is valid
- 3 if otherwise invalid

```
public static int verifyPassword(String password, int minLength);
```

## Program 2: generatePassword (randomly)

Remember, a password is valid if

- has at least one digit
- has at least 1 uppercase character

Bonus points for making it uniformly random.

```
public static String generatePassword(int length);
```

# Office Hours