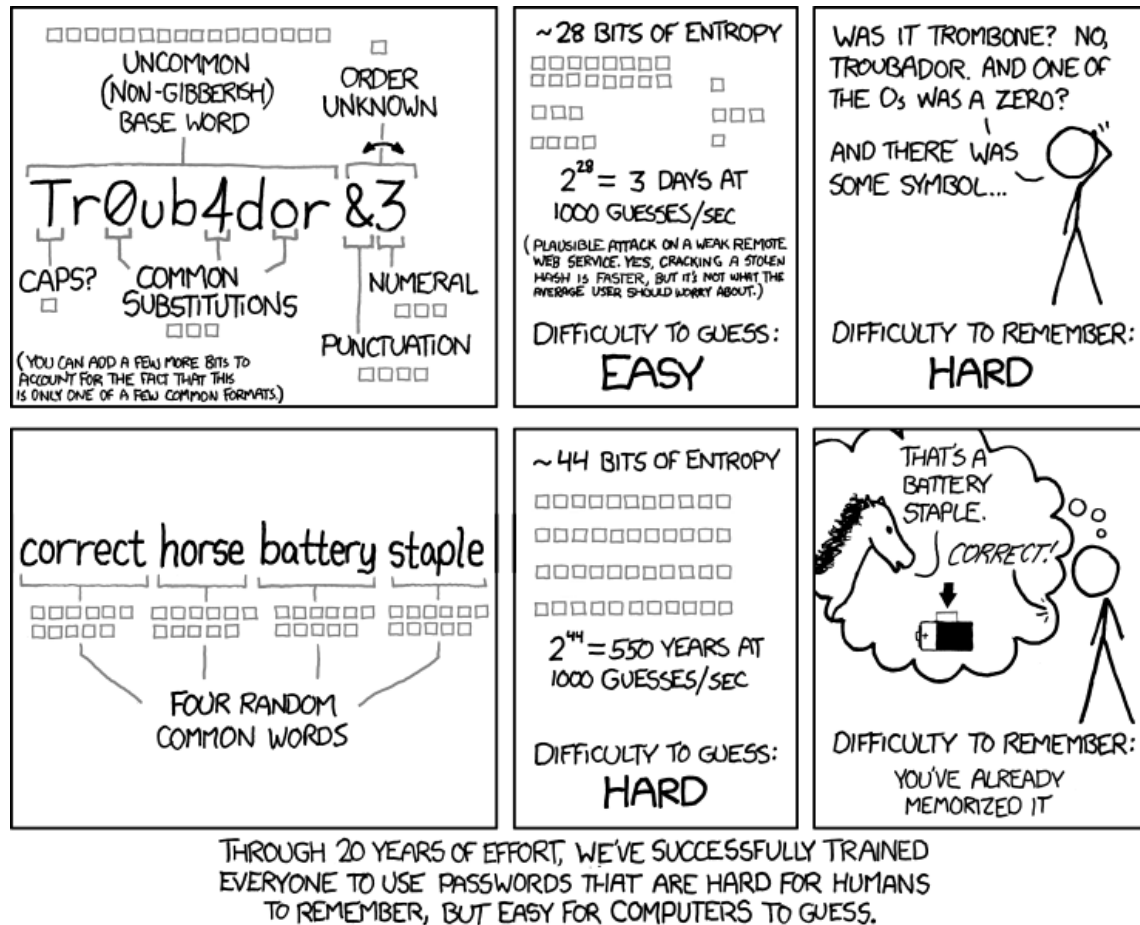


Password Strength Checker

Homework 8 | Due: 30 March



A password is considered *strong* if it contains a combination of lowercase and uppercase letters, at least one number 0-9, at least one of the characters & ! * \$, and has a minimum length of 10.

A password is considered *mediocre* if it contains at least one uppercase letter and at least one number.

A password is considered *weak* if it only contains lowercase letters.

Write a program that allows the user to enter their password and tells the user if their password is strong, mediocre, or weak.

Note: You may want to use the built-in functions `islower()` and `isupper()` for detecting if a character is lower or uppercase.

Sample Output

```
Enter your password: hannahIsTheC00lestT3ach3r!!  
Your password is strong.
```

```
Enter your password: batmanrulez  
Your password is weak.
```

```
Enter your password: hanShotFirst33  
Your password is mediocre.
```