



Performance Task: Strings

Passwords!

We've all had to enter new passwords before. Time to look at the code behind it.

Ask the user to enter a password. Then ask them to enter it again. Then check for the following conditions.

- Passwords must match exactly
- Must be at least 8 characters, but no more than 20 characters.
- Must have at least 1 upper and 1 lower case letter.
- Must contain 1 number
- Must contain at least 1 of the following special characters: `!@#$$%^&*?`
No other special characters.

If the new password meets all requirements, state “`New Password Accepted`”. Otherwise, let them know all missing requirements. Keep having them enter new passwords until everything is correct.

Example Run:

```
Enter Password: paSsw0rd
Re-Enter Password: paSsw0rd
Must include 1 special character (!@#$$%^&*?).
```

```
Enter Password: p@Ss1"
Re-Enter Password: p@Ss1"
Too Short: Must be 8-10 characters
Unknown Character. Must include 1 special character (!@#$$%^&*?).
```

```
Enter Password: paSsw0rd is really long
Re-Enter Password: paSsword
Entries don't match
Too Long: Must be 8-20 characters
Must include 1 special character (!@#$$%^&*?).
```

```
Enter Password: p@Ssw0rd
Re-Enter Password: p@Ssw0rd
New Password Accepted
```

