## Password Generator

This is the solution to the password generator project.

# Starting Code

[https://replit.com/@appbrewery/password-generator-start#README.md](https://replit.com/@appbrewery/password-generator-start#README.md)

# Instructions

The program will ask:

```

How many letters would you like in your password?

```

```

How many symbols would you like?

```

```

How many numbers would you like?

```

The objective is to take the inputs from the user to these questions and then generate a random password. Use your knowledge about Python lists and loops to complete the challenge.

# Easy Version (Step 1)

Generate the password in sequence. If the user wants

\* 4 letters

\* 2 symbols and

\* 3 numbers

then the password might look like this:

```

fgdx$\*924

```

You can see that all the letters are together. All the symbols are together and all the numbers follow each other as well. Try to solve this problem first.

# Hard Version (Step 2)

When you've completed the easy version, you're ready to tackle the hard version. In the advanced version of this project the final password does not follow a pattern. So the example above might look like this:

```

x$d24g\*f9

```

And every time you generate a password, the positions of the symbols, numbers, and letters are different.