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import string
import random
import re

class Password:

    def __init__(self, charset, length):
        self.charset = charset
        self.length = length
        self.char_array = []
        self.password = []

    def set_the_charset(self):
        if 'l' in self.charset:
            self.char_array.append(string.ascii_lowercase)
        if 'u' in self.charset:
            self.char_array.append(string.ascii_uppercase)
        if 'd' in self.charset:
            self.char_array.append(string.digits)
        if '@' in self.charset: # now '@' triggers special symbols
            self.char_array.append(string.punctuation)

    def generate_password(self):
        for _ in range(self.length):
            outer_index = random.randrange(len(self.char_array))
            inner_index = random.randrange(len(self.char_array[outer_index]))
            self.password.append(self.char_array[outer_index][inner_index])

    def get_password(self):
        return ''.join(self.password)

#by Charan Reddy
```