Generating Strong Password using Python

Create a random password generator having atleast one uppercase letter, lowercase letter, special character, and a number. the length of password should be must greater than equal to 4

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In [36]: def randompass():
              '''Create a random password generator having atleast one uppercase letter, \operatorname{\mathsf{Id}}
         the length of password should be must greater than equal to 4'''
             import string
             import random
             # maximum length of password needed
             # this can be changed to suit your password length
             len_pass = int(input('Enter length of password:'))
             #characters sets
             lower = string.ascii_lowercase
             upper = string.ascii_uppercase
             digits = string.digits
             punctuation = string.punctuation
             # combines all the character from each character set above
             characters = list(lower + upper + digits + punctuation)
             # randomly select at least one character from each character set
             # at this stage, the password contains only 4 characters but
             # we want a n-character password
             temp pass = list(random.choice(lower) + random.choice(upper) + random.choice(
             # now that we are sure we have at least one character from each
             # set of characters, we fill the rest of
             # the password length by selecting randomly from the combined
             # list of characters above.
             if len pass >= 4:
                  for i in range(len pass = 4):
                      temp_pass.append(random.choice(characters))
                  random.shuffle(temp pass)
                 # shuffle temporary password
                 # to prevent it from having a consistent pattern
                 # where the beginning of the password is predictable
                 password=''.join(temp_pass)
                 # join the temporary password with empty string
                 # to form the password
                 return password
             else:
                 return 'Please enter length greater than 4'
         # print out password
         print(randompass())
```

	<pre>Enter length of password:10 6Cik<dhe!=< pre=""></dhe!=<></pre>	~
In []:		