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Password

import string
import random

# Getting password length
length = int(input("Enter password length: "))

print("Choose character set for password from these :

        1. Digits
        2. Letters
        3. Special characters
        4. Exit")

characterList = ""

# Getting character set for password
while(True):
    choice = int(input("Pick a number "))
    if(choice == 1):

        # Adding letters to possible characters
        characterList += string.ascii_letters

    elif(choice == 2):

        # Adding digits to possible characters
        characterList += string.digits

    elif(choice == 3):

        # Adding special characters to possible
        # characters
        characterList += string.punctuation

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elif(choice == 4):  
    break  
else:  
    print("Please pick a valid option!")
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password = []
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for i in range(length):
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    # Picking a random character from our  
    # character list  
    randomchar = random.choice(characterList)
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    # appending a random character to password  
    password.append(randomchar)
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# printing password as a string  
print("The random password is " + "".join(password))
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