

How to Make a Password Cracker using Python

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In our previous Python tutorial, we have explained to make a [Quiz Game with Python](#). In this tutorial, we will explain how brute force attacker made to crack any password using Python.

The Brute force is a type of attack to crack passwords by submitting many passwords to guess to break it.

So here in this tutorial, we will take user input as user password and show you how attackers tried to break the password.



Watch Video At: <https://youtu.be/3VMbAqWNZ2w>

Implement Password Cracker with Python

First we will import `random` module.

```
from random import *
```

We will store alphabet letters to use them to match password.

```
password = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k',  
            'l', 'm', 'n', 'o', 'p', 'q', 'r', 's', 't', 'u', 'v',  
            'w', 'x', 'y', 'z',]
```

We will take user input as user password to match and crack the password.

```
userPass = input("\nEnter your password:")
```

We will have `while` loop until not matched with user password. We will also have `for` loop using `range` method to match for password letters. When match found, we will display the matched password.

```

guessPass = ""

while (guessPass != userPass):
    guessPass = ""
    for letter in range(len(userPass)):
        guessLetter = password[randint(0, 25)]
        guessPass = str(guessLetter) + str(guessPass)
    print(guessPass)

print("Result marched password is: ", guessPass)

```

Complete Code

Here is the complete code of password cracker with Python.

```

from random import *

userPass = input("\nEnter your password:")

password = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k',
            'l', 'm', 'n', 'o', 'p', 'q', 'r', 's', 't', 'u', 'v',
            'w', 'x', 'y', 'z',]

guessPass = ""

while (guessPass != userPass):
    guessPass = ""
    for letter in range(len(userPass)):
        guessLetter = password[randint(0, 25)]
        guessPass = str(guessLetter) + str(guessPass)
    print(guessPass)

print("Result marched password is: ", guessPass)

```

Output:

```

Enter your password:az
wr
fq
..
..
..
..
..
..
..
..
..
xj
kh
mg
az
Result marched password is:  az

```

