

```
1  import subprocess
2  import time
3  then = time.time()
4
5  def runExe(username, pin):
6      out = subprocess.check_output(["CrackMe.exe", username, str(pin)], shell=True)
7      out = str(out, 'utf-8')
8      out = out.strip()
9      return out
10
11 usernameList = ['bob@asdf.com', 'ihencke0@about.me', 'kbrimblecombe1@deviantart.com', 'apurslow2@dyndns.org', 'hmacsharry3@answers.com', 'hdomleog@taobao.com', 'rperl5@youku.com']
12 usernamePassword = []
13
14 for usernameGuessValue in range(0, len(usernameList)-1, 1):
15     usernameGuess = usernameList[usernameGuessValue]
16     usernameChecker = runExe(usernameGuess, 1000)
17     if usernameChecker != "User not found":
18         for pinGuess in range(0, 999, 1):
19             output = runExe(usernameGuess, pinGuess)
20             if output != "Incorrect Pin":
21                 usernamePassword.append(usernameGuess)
22                 usernamePassword.append(pinGuess)
23                 break
24
25 now = time.time()
26
27 print("Valid Username and Passwords: ", end="")
28 print(usernamePassword)
29 print("It took: ", now-then, " seconds")
```

```
Valid Username and Passwords: ['hdomleog@taobao.com', 395, 'jreyner9@wiley.com', 986]
It took: 229.2695791721344 seconds
PS C:\Users\102512769\Documents\GitHub\Cyber_IntroProg_Group1\Challenge\Challenge01>
```