Python Tkinter – Login Form

Login Form is one of the most used in GUI applications.

Login Form helps users to login using user name and password. Once the credentials are validated, user can be given privileged access.

Example 1: Login Form using Python Tkinter

In this example, we write a program that opens a window with fields: **username** and **password** and a button to submit these values.

User can enter the details for username, password; and click on Login button.

Once the button is clicked, a function is called to validate the credentials. Here, in this function, you have to write your business logic to validate the username and password.

For this example, in the credential validating function, we get the username and password entered by the user, and print it to the console.

Python Program

```python
from tkinter import *
from functools import partial


def validateLogin(username, password):
    print("username entered :", username.get())
    print("password entered :", password.get())
    return

#window
tkWindow = Tk()
tkWindow.geometry('400x150')
tkWindow.title('Tkinter Login Form - pythonexamples.org')

#username label and text entry box
usernameLabel = Label(tkWindow, text="User Name").grid(row=0, column=0)
username = StringVar()
usernameEntry = Entry(tkWindow, textvariable=username).grid(row=0, column=1)

#password label and password entry box
passwordLabel = Label(tkWindow,text="Password").grid(row=1, column=0)
password = StringVar()
```

```
passwordEntry = Entry(tkWindow, textvariable=password, show='*').grid(row=1, colu

validateLogin = partial(validateLogin, username, password)

#login button
loginButton = Button(tkWindow, text="Login", command=validateLogin).grid(row=4, c

tkWindow.mainloop()
```

Output

Following video demonstrates the output and usage of above Python program.

We have used `Entry(.., show='*')` for password, to show stars when user types the password.

You can beautify the labels and GUI window of course.