

EXPERIMENT N0-9

Write a Python program to create a login form with entry widgets for entering username and password. Compare the entered input with the data stored in the User table in the database. If a user exists in the database then display a login successful message else display invalid username or password (use tkinter and MySQL module).

SOURCE CODE :-

```
import MySQLdb
import tkinter as tk

top = tk.Tk()
stat = tk.StringVar()
stat.set("")

def clear():
    stat.set("")
    usre.delete(0, 'end')
    pwde.delete(0, 'end')

def login():
    user = usre.get()
    pswd = pwde.get()
    if (user != ""):
        conn = MySQLdb.connect(host='localhost', database='db', user='root',
password='')
        cursor = conn.cursor()
        a = "SELECT * FROM login WHERE username = ('%s')"
        args = (user)
```

```
cursor.execute(a % args)
res = cursor.fetchone()
if res:
    _, password = res

    if (password == pswd):
        stat.set("Login Successfull!!")
    else:
        stat.set("Invalid Password")
```

```
else:
    stat.set("Invalid Username")
```

```
top.geometry("450x300")
greet = tk.Label(text="Welcome!", font=('Verdana', 20)).place(x=180, y=0)
```

```
usr = tk.Label(text="Username").place(x=40, y=60)
```

```
pwd = tk.Label(text="Password").place(x=40, y=100)
```

```
usre = tk.Entry(width=30)
```

```
usre.place(x=110, y=60)
```

```
print(usre.get())
```

```
pwde = tk.Entry(width=30, show='*')
```

```
pwde.place(x=110, y=100)
```

```
sub = tk.Button(text="Login", command=login)
```

```
sub.place(x=150, y=150)
```

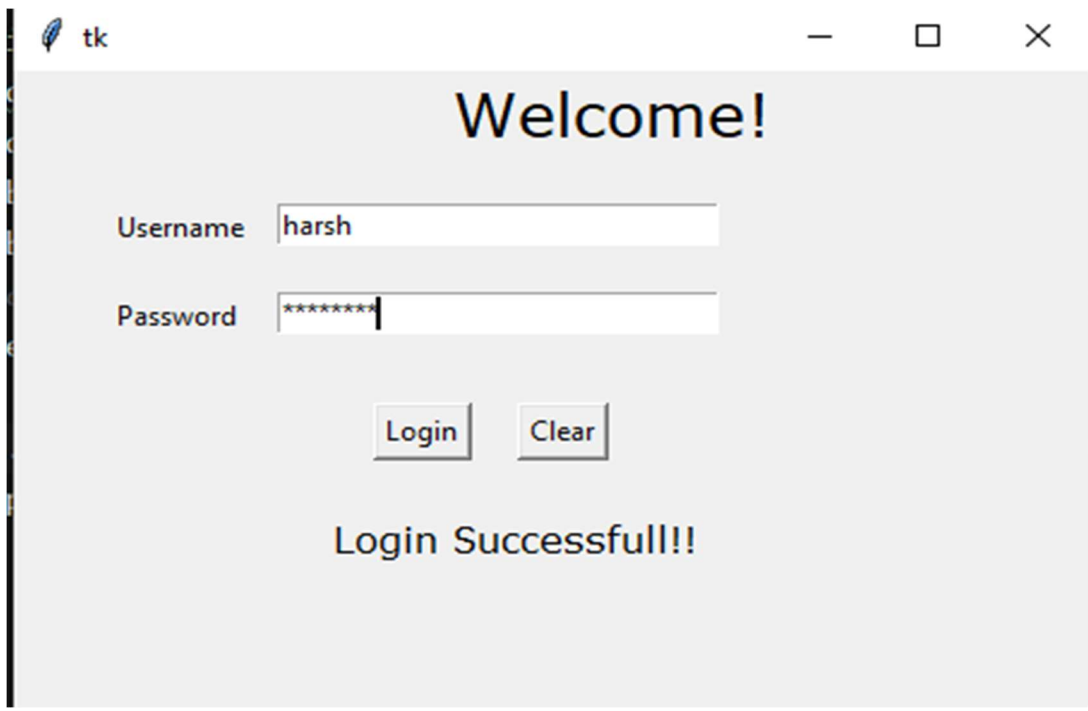
```
clear = tk.Button(text="Clear", command=clear).place(x=210, y=150)
```

```
tk.Label(textvariable=stat, font=('Verdana', 12)).place(x=130, y=200)
```

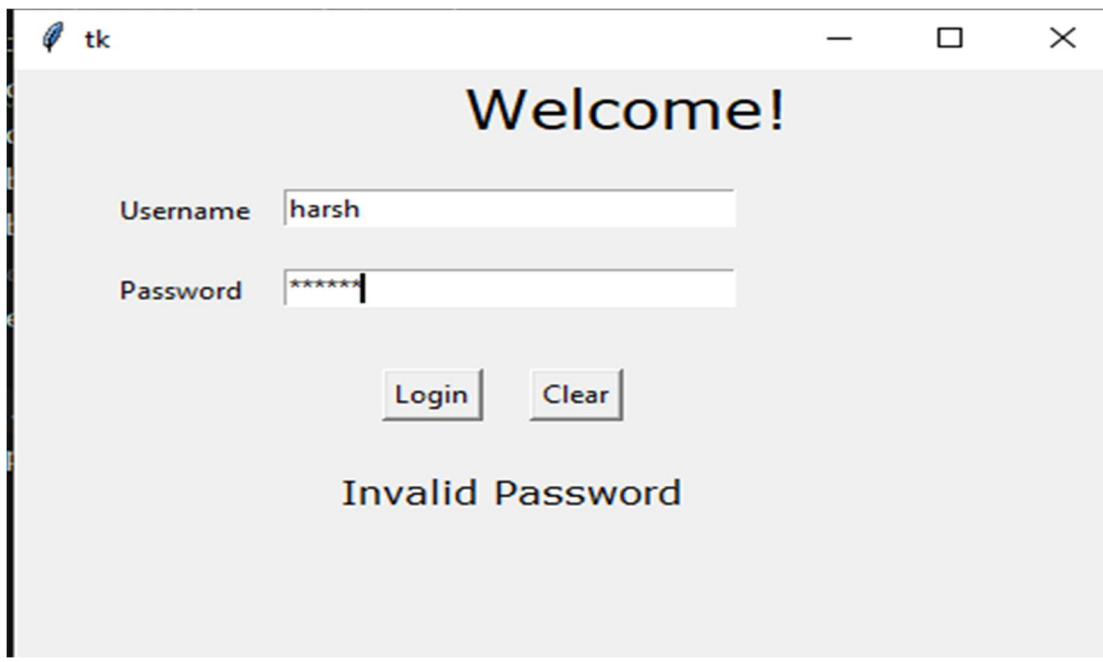
```
top.mainloop()
```

OUTPUT:

SUCCESSFUL LOGIN:



INVALID LOGIN:



A screenshot of a Tkinter login window titled 'tk'. The window has a light gray background and a white title bar with standard window controls. The text 'Welcome!' is centered at the top. Below it, there are two input fields: 'Username' with the text 'harsh' and 'Password' with masked characters '*****'. Below the password field are two buttons: 'Login' and 'Clear'. At the bottom, the text 'Invalid Password' is displayed in a larger font.

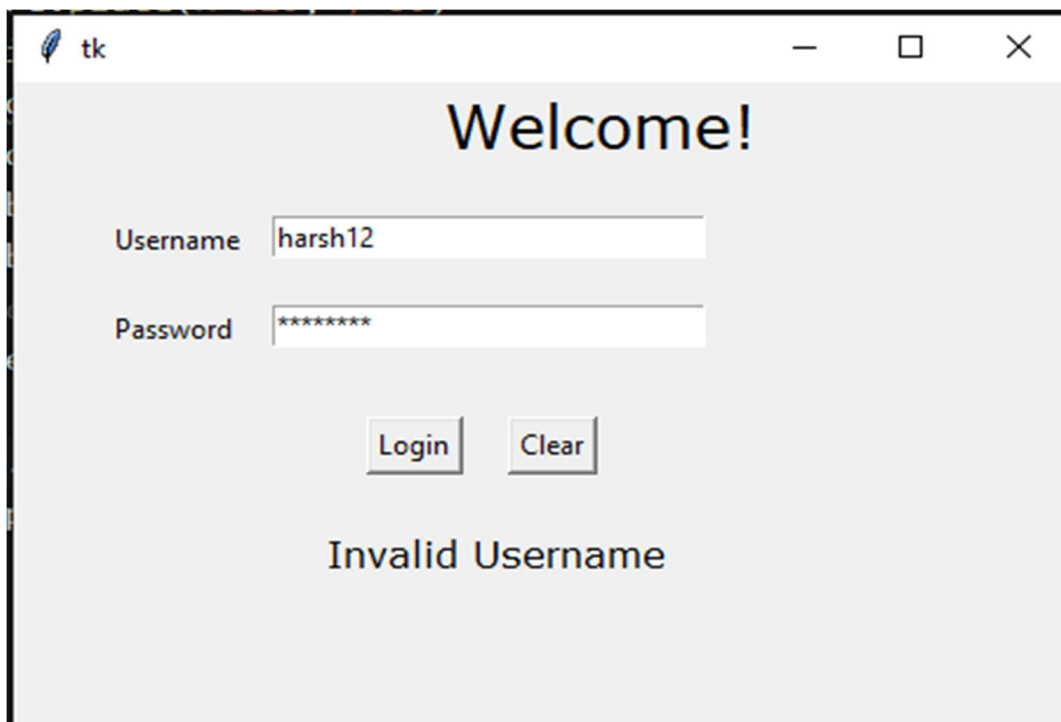
tk

Welcome!

Username

Password

Invalid Password



A screenshot of a Tkinter login window titled 'tk'. The window has a light gray background and a white title bar with standard window controls. The text 'Welcome!' is centered at the top. Below it, there are two input fields: 'Username' with the text 'harsh12' and 'Password' with masked characters '*****'. Below the password field are two buttons: 'Login' and 'Clear'. At the bottom, the text 'Invalid Username' is displayed in a larger font.

tk

Welcome!

Username

Password

Invalid Username