ASSIGNMENT

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Graphical user interface(GUI)

REG. NO

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1. Graphical user interface(GUI) design with database connectivity

AIM: To design GUI with database connectivity.

ALGORITHM:

- Step 1: First we have to import the required modules.
- Step 2: Give the dimensions, title and background color using config(), geometry() method.
- Step 3: Now we create a database connection and cursor object.
- Step 4: After we connect to the database, now we have to create an interface where we can insert, select and update the database.
- Step 5: First we arrange the widgets in an order. Next we create three buttons i.e. Insert, Select, Update. Where each having functions to perform.
- Step 6: Now run the program.

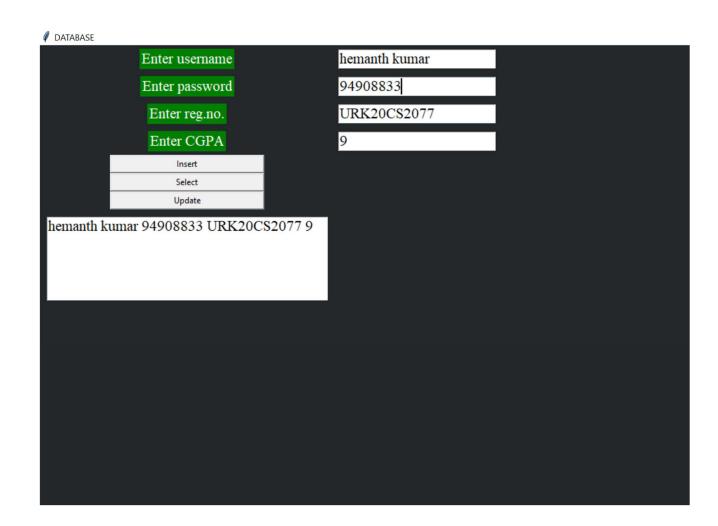
PROGRAM:

```
from tkinter import *
import tkinter as tk
from tkinter import messagebox
import pymysql
data_base = pymysql.connect(host='localhost', user='root',
passwd='',database='chidhu')
cursor = data_base.cursor()
window = Tk()
window.geometry("700x400")
window.config(background='#23272a')
label_1 = Label(window, text="Enter username", fg='white',
bg='green',font=("Times new roman", 16))
label_1.grid(row=1, column=1, padx=5, pady=5)
type_1 = StringVar()
entry_1 = Entry(window, textvariable=type_1, font=("Times new roman", 16))
entry_1.grid(row=1, column=2, padx=5, pady=5)
label_2 = Label(window, text="Enter password", fg='white',
bg='green',font=("Times new roman", 16))
label_2.grid(row=2, column=1, padx=5, pady=5)
type_2 = StringVar()
entry_2 = Entry(window, textvariable=type_2, font=("Times new roman", 16))
entry_2.grid(row=2, column=2, padx=5, pady=5)
label_3 = Label(window, text="Enter reg.no.", fg='white', bg='green',font=("Times new roman", 16))
label_3.grid(row=3, column=1, padx=5, pady=5)
type_3 = StringVar()
entry_3 = Entry(window, textvariable=type_3, font=("Times new roman", 16))
```

```
label 4.grid(row=4, column=1, padx=5, pady=5)
def insert():
button 1 = Button(window, text='Insert', command=insert, width=30)
            13.insert(tk.END, j)
13.insert(tk.END, " ")
        13.insert(tk.END, "\n")
button 2 = Button(window, text='Select', command=select, width=30)
button 2.grid(row=6, column=1)
   query = "update table2 set PASSWORD='" + b + "'where NAME='" + a + "'"
button_3 = Button(window, text='Update', command=update, width=30)
button 3.grid(row=7, column=1)
13 = Text(window, font=("Times new roman", 16), width=36, height=5)
13.grid(row=8, column=1, padx=10, pady=10)
window.mainloop()
```

OUTPUT:

INSERT:



RESULT:

The program has been executed successfully.