E. Form with DB dump

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1 Simple Form that dumps data to a MySQL database with Tkinter based GUI

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```python
[3]: from tkinter import *
from tkinter import ttk
from tkinter import messagebox
import mysql.connector

db_host = "localhost"
db_user = "root"
db_password = ",428A3B2UDpY"


root = None

def home():
    global root
    if root:
        root.destroy()
    root = Tk()
    root.title("Registration Form")
    root.resizable(False, False)
    frm = ttk.Frame(root, padding=10)
    frm.grid()

    global name_var, email_var, number_var, gender_var, feedback_var
    name_var = StringVar()
    email_var = StringVar()
    number_var = StringVar()
    gender_var = StringVar()
    feedback_var = StringVar()

    ttk.Label(frm, text="Name:").grid(column=0, row=0, sticky=W)
    name_entry = ttk.Entry(frm, textvariable=name_var)
    name_entry.grid(column=1, row=0, sticky=(W, E))
```

```python
    name_entry.focus()

    ttk.Label(frm, text="Email:").grid(column=0, row=1, sticky=W)
    email_entry = ttk.Entry(frm, textvariable=email_var)
    email_entry.grid(column=1, row=1, sticky=(W, E))

    ttk.Label(frm, text="Number:").grid(column=0, row=2, sticky=W)
    number_entry = ttk.Entry(frm, textvariable=number_var)
    number_entry.grid(column=1, row=2, sticky=(W, E))

    ttk.Label(frm, text="Gender:").grid(column=0, row=3, sticky=W)
    ttk.Radiobutton(frm, text="Male", variable=gender_var, value="M").
↪grid(column=1, row=3, sticky=W)
    ttk.Radiobutton(frm, text="Female", variable=gender_var, value="F").
↪grid(column=2, row=3, sticky=W)

    ttk.Label(frm, text="Feedback:").grid(column=0, row=4, sticky=W)
    feedback_entry = ttk.Entry(frm, textvariable=feedback_var)
    feedback_entry.grid(column=1, row=4, sticky=(W, E))

    ttk.Button(frm, text="Submit", command=submit_form).grid(column=1, row=5,␣
↪sticky=E)
    ttk.Button(frm, text="Quit", command=quit).grid(column=2, row=5, sticky=E)

    root.mainloop()

def submit_form():
    name = name_var.get()
    email = email_var.get()
    number = number_var.get()
    gender = gender_var.get()
    feedback = feedback_var.get()

    try:
        db = mysql.connector.connect(
            host=db_host,
            user=db_user,
            password=db_password,
        )
        cursor = db.cursor()

        cursor.execute("CREATE DATABASE IF NOT EXISTS forms")
        cursor.execute("USE forms")

        cursor.execute("CREATE TABLE IF NOT EXISTS feedback (id INT␣
↪AUTO_INCREMENT PRIMARY KEY, name VARCHAR(255), email VARCHAR(255), number␣
↪VARCHAR(20), gender VARCHAR(1), feedback TEXT)")
```

```python
        sql = "INSERT INTO feedback (name, email, number, gender, feedback)␣
↪VALUES (%s, %s, %s, %s, %s)"
        val = (name, email, number, gender, feedback)
        cursor.execute(sql, val)

        db.commit()
        db.close()

        messagebox.showinfo("Success", "Form submitted successfully!")
        home()

    except Exception as e:
        messagebox.showerror("Error", f"An error occurred: {e}")

def quit():
    global root
    root.destroy()

home()
```