

Project topic :- Campus Drive Registrations And Analysis

Technology Used:

Frontend : Python

Backend : PostgreSQL

Analysis : MS Power BI

Python Program:

```
import tkinter as tk
from tkinter import *
import psycopg2

# connect to the database

con = psycopg2.connect(
    host='localhost',
    database='test',
    user='postgres',
    password='jayesh1')

# create a cursor
cur=con.cursor()

def addstudent():
    firstname = ent1.get()
    lastname = ent2.get()
    email = ent3.get()
    gender=ent4.get()
    dateofbirth=ent5.get()
    tenth=ent6.get()
    twelve=ent7.get()
    ug=ent8.get()
    pg=ent9.get()
    addrs=ent10.get()
    mobno=ent11.get()
    query = "INSERT INTO person(first_name, last_name, email,gender, date_of_birth, per10, per12, ug_cgpa, pg_cgpa, mobile1, addr) values(%s, %s, %s, %s,%s,%s, %s, %s, %s, %s, %s,%s)"
    cur.execute(query, (firstname, lastname, email, gender,dateofbirth , tenth , twelve, ug, pg, mobno, addrs ))
    con.commit()
    print(firstname, lastname, email, gender, dateofbirth, tenth, twelve, ug, pg, mobno, addrs )
```

```

        print("Student is added")
        return True

win = Tk()

frm1 = Frame(win, width=100, highlightbackground='pink', highlightthickness=4 )
#frm1.pack(side= tk.LEFT, padx=100)
frm1.grid(row=2, column=0, padx=20, pady=20, ipadx=20, ipady=20)
win.title("Created By Jayesh Drugwar ")
win.geometry("500x600")
#win.resizable(False, False)
win.configure(bg="#00ffff")
frm1['bg']="#C39BD3"

frm2 = Frame(win, width=5, highlightbackground='blue', highlightthickness=4)
frm2['bg']="#C39BD3"
#frm2.pack(side=tk.LEFT, padx=100)
frm2.grid(row=1, column=0)

var1 = StringVar()
firstname = StringVar()
var2 = StringVar()
lastname = StringVar()
var3 = StringVar()
email = StringVar()
var4 = StringVar()
gender = StringVar()
var5 = StringVar()
dateofbirth = StringVar()
var6 = StringVar()
tenthscore = StringVar()
var7 = StringVar()
twelvethscore = StringVar()
var8 = StringVar()
ugscore = StringVar()
var9 = StringVar()
pgscore = StringVar()
var10 = StringVar()
address = StringVar()
var11 = StringVar()
mobilenos = StringVar()
var12=StringVar()
var13=StringVar()
var14=StringVar()

```

```
label1 = Label(frm1, textvariable = var1,bg="#C39BD3", font=15)
var1.set("First Name")
label1.grid(row=0, column=1)

ent1 = Entry (frm1, textvariable= firstname, font=15)
firstname.set("Enter first name")
ent1.grid(row=0, column=2)

label2 = Label(frm1, textvariable = var2,bg="#C39BD3", font=15)
var2.set("Last Name")
label2.grid(row=1, column=1)
ent2 = Entry (frm1, textvariable= lastname, font=15)
lastname.set("Enter last name")
ent2.grid(row=1, column=2)

label4 = Label(frm1, textvariable = var4,bg="#C39BD3", font=15)
var4.set("Gender")
label4.grid(row=3, column=1)
# Radiobutton(frm1, textvariable=gender, text=Male, value=gender)
ent4 = Entry (frm1, textvariable= gender, font=15)
gender.set("Enter Gender")
ent4.grid(row=3, column=2)

label5 = Label(frm1, textvariable = var5,bg="#C39BD3", font=15)
var5.set("Date of Birth")
label5.grid(row=4, column=1)
ent5 = Entry (frm1, textvariable= dateofbirth, font=15)
dateofbirth.set("YY-MM-DD")
ent5.grid(row=4, column=2)

label6 = Label(frm1, textvariable =var6,bg="#C39BD3", font=15)
var6.set("10th Percentage")
label6.grid(row=5, column=1)
ent6 = Entry (frm1, textvariable=tenthscore, font=15)
tenthscore.set("10th %")
ent6.grid(row=5, column=2)

label7 = Label(frm1, textvariable =var7,bg="#C39BD3", font=15)
var7.set("12th Percentage")
label7.grid(row=6, column=1)
ent7 = Entry (frm1, textvariable=twelvethscore, font=15)
twelvethscore.set("12th %")
ent7.grid(row=6, column=2)

label8 = Label(frm1, textvariable =var8,bg="#C39BD3", font=15)
```

```

var8.set("Graduation CGPA")
label8.grid(row=7, column=1)
ent8 = Entry (frm1, textvariable=ugscore, font=15)
ugscore.set("Enter CGPA")
ent8.grid(row=7, column=2)

label9 = Label(frm1, textvariable =var9,bg="#C39BD3", font=15)
var9.set("Post Graduation CGPA")
label9.grid(row=8, column=1)
ent9 = Entry (frm1, textvariable=pgscore, font=15)
pgscore.set("Enter CGPA")
ent9.grid(row=8, column=2)

label10 = Label(frm1, textvariable =var10,bg="#C39BD3", font=15)
var10.set("Address ")
label10.grid(row=9, column=1)
ent10 = Entry (frm1, textvariable=address, font=15)
address.set("Enter Address ")
ent10.grid(row=9, column=2)

label11 = Label(frm1, textvariable =var11,bg="#C39BD3", font=15)
var11.set("Mobile No. ")
label11.grid(row=10, column=1)
ent11 = Entry (frm1, textvariable=mobileno, font=15)
mobileno.set("Enter Mobile Number")
ent11.grid(row=10, column=2)

label3 = Label(frm1, textvariable = var3,bg="#C39BD3", font=15)
var3.set("E-mail")
label3.grid(row=11, column=1)
ent3 = Entry (frm1, textvariable= email, font=15)
email.set("Enter e-mail")
ent3.grid(row=11, column=2)

label12= Label(frm2, text= "Campus Recruitment Form" , font=25)
label12.grid(row=1, column=1)

btn1=Button(win, text="Submit", command=addstudent, font=16, bg='#F6CB38')
btn1.grid(row=3, column=1, padx=5, pady=5)

btn2=Button(win, text="Exit", command=win.quit , font=16,bg='#F6CB38' )
btn2.grid(row=3, column=2,padx=5, pady=5 )

win.mainloop()

```

```
#close the cursor
cur.close()

# close the connection
con.close()
```

Database: PostgreSQL

Schema:

-- Table: public.person

-- DROP TABLE public.person;

CREATE TABLE public.person

```
(
  id bigint NOT NULL DEFAULT nextval('person_id_seq'::regclass),
  first_name character varying(50) COLLATE pg_catalog."default" NOT NULL,
  last_name character varying(50) COLLATE pg_catalog."default" NOT NULL,
  gender character varying(50) COLLATE pg_catalog."default" NOT NULL,
  email character varying(50) COLLATE pg_catalog."default",
  date_of_birth date,
  per10 numeric(5,2),
  per12 numeric(5,2),
  ug_cgpa numeric(5,2),
  pg_cgpa numeric(5,2),
  mobile1 bigint,
  addr character varying(200) COLLATE pg_catalog."default"
)
```

TABLESPACE pg_default;

ALTER TABLE public.person
OWNER to postgres;

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File

Home

Help

External Tools

Table tools

Column tools

Name

id

Format

Whole number

Summarization

Sum

Sort by column

Sort

Data groups

Groups

Manage relationships

Relationships

New column

Calculations

Data type

Whole number

Format

%

0

Data category

Uncategorized

Structure

Formatting

Properties

id

first_name

last_name

gender

email

date_of_birth

per10

per12

ug_cgpa

pg_cgpa

mobile1

addr

Qualify_Result

1	Jayesh	Drugvar	Male	jayesh@gmail.com	10 January 1999	75	50	7	7	23423423252	Wardha	
2	Ritesh	Wakde	Male	wakader@gmail.com	05 October 2000	75	50	7	7	2043840800	Nagpur	
3	Kiran	Knadiyal	Female	Kiran@gmail.com	05 October 1998	65	61	7	7	83402380998	Wadi, Nagpur	qualify
4	Divya	Tawake	Female	divya@gmail.com	05 October 1999	62	66	8	8	2340923808	Gitti Khadan, Nagpur-438013	qualify
5	Vasudev	Gupta	Male	Vasudev@gmail.com	01 November 2000	55	45	6	6	8908890988	Ramdev Tekadi, Nagpur, Pin-4164013	
6	Harsha	Swami	Female	Harsha@gmail.com	02 October 1999	54	39	6	6	230948423098	Indira Gandhi colony, Snagli Pin-4116416	
7	Nilima	Choudhari	Female	nilima@gmail.com	02 November 1999	55	39	6	6	24982753800	Gamattha Road, Nagpur- 24992	
8	Ruchita	Khan	Female	ruchita1@gmail.com	09 November 1999	88	55	6	6	5349423423	Ram Nagar, Amravati-442001	
9	Vidya	Joglekar	Female	vidya1@gmail.com	09 November 2000	77	66	6	6	50988909899	House no. 2, Ram Nagar, Amravati-442001	qualify
10	Jyoti	Kumari	Female	jyoti123@gmail.com	09 January 2000	66	55	6	6	38974923747	Krishna nagar, Gokuldham, Mumbai-12231	
11	Amruta	Singh	Female	Amruta23@gmail.com	10 January 2000	80	67	9	9	9882343452	Wadi, Mumbai-12231	qualify
12	Amol	Zade	Male	amol@gmail.com	09 January 1999	78	73	8	8	82030482938	sewagram, Wardha-442001	qualify
13	Disha	Patel	Female	disga@gmail.com	04 January 1998	78	88	8	7	3280980238	near ritesh wakade home	qualify

Fields

Search

public person

addr

date_of_birth

email

first_name

gender

id

last_name

mobile1

Not_Qualify

per10

per12

pg_cgpa

Qualify_Result

Registered

ug_cgpa

Table: public person (13 rows) Column: id (13 distinct values)

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Shri Ramdeobaba College of Engineering And Management ,Nagpur- 440013 ,Maharashtra(India)

Campus Drive Analysis gender ☒ Female ☐ Male 14 Total Student Registered 6 Total Qualify for Campus 8 Total Not Qualify Registered: 14 (100%) Not_Qualify: 8 (42.9%) Qualify: 6 | first_name | last_name | Registered | |------------|-----------|------------| | Vidya | Jogalekar | 1 | | Vinodini | Gadga | 1 | | Ruchita | Khan | 1 | | Ritesh | Waldie | 1 | | Nelima | Choudhary | 1 | | Kiran | Khandyal | 1 | | Jyoti | Kumari | 1 | | Jethalal | Gadga | 1 | | Jayesh | Drupagar | 1 | | Harsha | Seyani | 1 | | Divya | Tavake | 1 | | Disha | Patel | 1 | | Anurupa | Siroshi | 1 | | Total | | 14 | | first_name | last_name | Qualify | |------------|-----------|---------| | Vidya | Jogalekar | 1 | | Kiran | Khandyal | 1 | | Divya | Tavake | 1 | | Disha | Patel | 1 | | Anurupa | Singh | 1 | | Aruni | Zade | 1 | | Total | | 6 | | first_name | last_name | Not_Qualify | |------------|-----------|-------------| | Jayesh | Drupagar | 1 | | Jethalal | Gadga | 1 | | Jyoti | Kumari | 1 | | Nelima | Choudhary | 1 | | Ritesh | Waldie | 1 | | Ruchita | Khan | 1 | | Vinodini | Gadga | 1 | | Total | | 8 |

Fig. Analysis Model In Power Bi

Created By Jayesh Drugwar

Campus Recruitment Form

First Name	Enter first name
Last Name	Enter last name
Gender	Enter Gender
Date of Birth	YY-MM-DD
10th Percentage	10th %
12th Percentage	12th %
Graduation CGPA	Enter CGPA
Post Graduation CGPA	Enter CGPA
Address	Enter Address
Mobile No.	Enter Mobile Number
E-mail	Enter e-mail

Submit Exit

Fig. Campus Drive Registration Form

Reference:

For Data Analysis: Youtube channel – Mike “excelisfun channel” Grivin