UNIVERSITI TEKNOLOGI MARA

UNIVERSITI TEKNOLOGI MARA (UiTM)

KEDAH BRANCH

SCHOOL OF INFORMATION SCIENCE,

COLLEGE OF COMPUTING, INFORMATICS, AND MATHEMATICS

DIPLOMA IN LIBRARY INFORMATIC (CDIM144)

PROGRAMMING FOR LIBRARIES (IML 208)

INDIVIDUAL ASSIGNMENT: MEMBERSHIP REGISTRATION AT CAFÉ

PREPARED BY:

NURAMNI NADHIRAH BINTI MOHD NASIR

(2022873844)

GROUP KCDIM1443E

PREPARED FOR:

SIR AIRUL SYAZWAN BIN NORSHAHIMI

SUBMISSION DATE:

WEEK 12

INDIVIDUAL ASSIGNMENT: MEMBERSHIP REGISTRATION AT CAFÉ

PREPARED BY:

NURAMNI NADHIRAH BINTI MOHD NASIR

(2022873844)

GROUP KCDIM1443E

CDIM144 – DIPLOMA IN LIBRARY INFORMATICS

SCHOOL OF INFORMATION SCIENCE,

COLLEGE OF COMPUTING, INFORMATICS, AND ME

UNIVERSITI TEKNOLOGI MARA (UiTM)

KEDAH BRANCH

ACKNOWLEDGEMENT

First, I would like to express my deepest appreciation to all those people who mostly help me to complete this report. The completion of this project could not have been possible without the participation and assistance from the lecturers and also each and every one of us in our class. I would like to extend my sincere thanks to all of them.

Next, I would like to extend my gratefulness and sincere to thanks our lecturer, Sir Airul Bin Shazwan Bin Norshahimi for guiding us and encouraged while completing this task. I also want to take this opportunity to thank my lecturer for giving all valuable suggestion that have given to me while doing this assignment.

Lastly, I would like to express my gratitude toward my family for giving me an encouragement which help me to completing this report.

TABLE OF CONTENT

INTRODUCTION

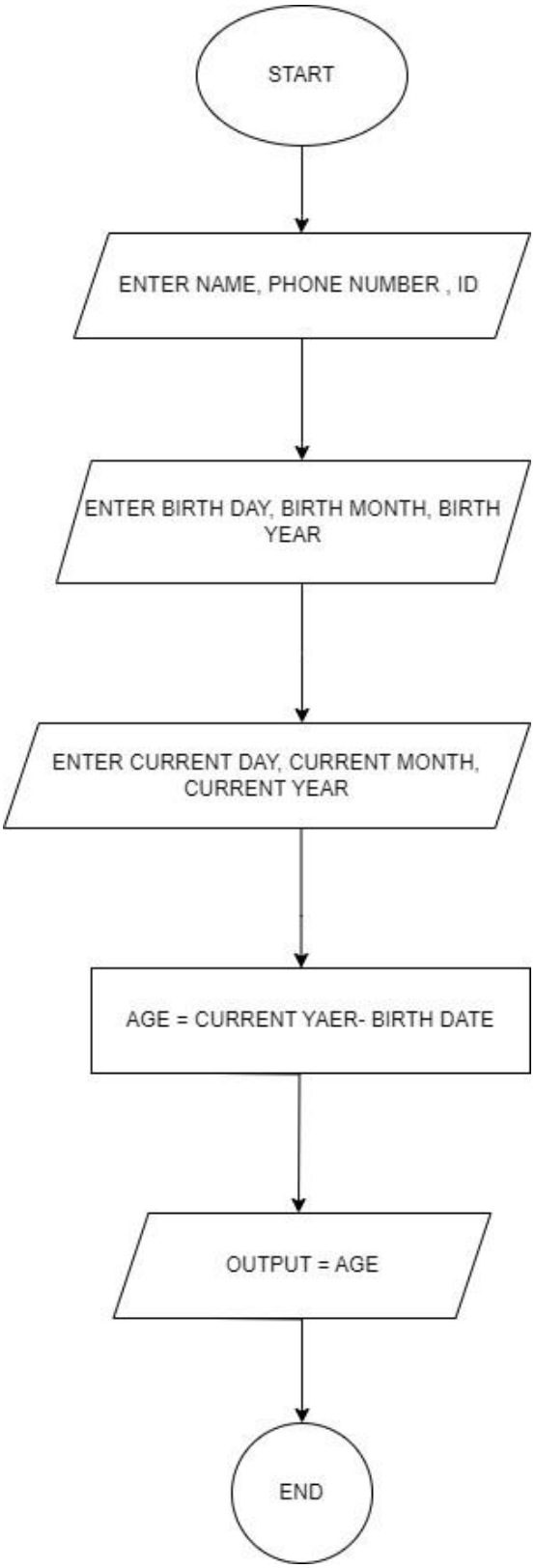
In this project, I do a project about membership registration at café to identify the average age of regular customer that rapidly comes to the café. For this membership registration, the customers must fill all the attributes that have shown which are they need to fill their names, phone number, id, day of birth, month of birth, year of birth and the users must fill the data of current day, current month, and current year that they have visited the café.

In this café, there are problem which is the owner didn't know the total of the customer that has visit her café. Furthermore, to solve the problem, I put an age calculation for the owner to know the average age that mostly visit his café.

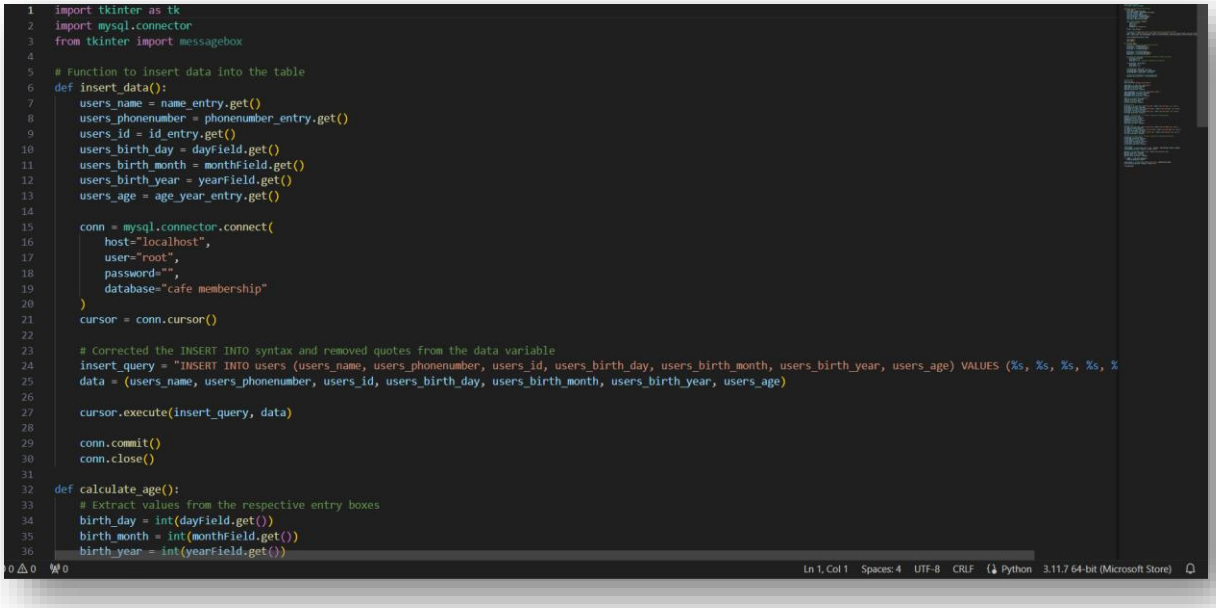
For this project, I used customer birthday data to calculate the age of customer. By doing this, the owner of the café wouldn't face any circumstance to identify the range of age that has visited their café.

As a result, the owner can keep a track of the customer that comes to visit her café and offer the menu that suitable with the age of customer that has visited her café. On top of that, it can improve the café marketing sales that can saves the owner from the bankruptcy.

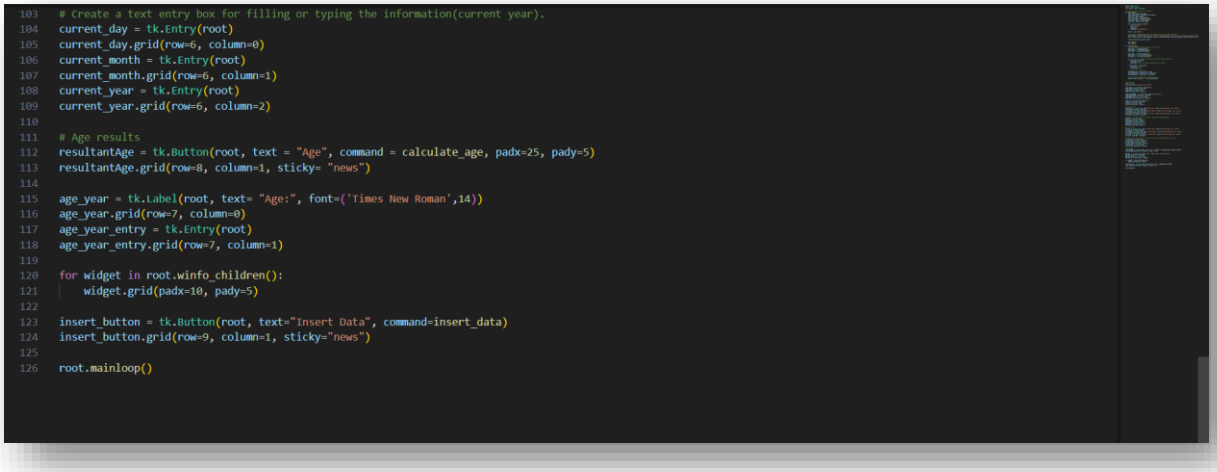
FLOWCHART


START
ENTER NAME, PHONE NUMBER , ID
ENTER BIRTH DAY, BIRTH MONTH, BIRTH YEAR
ENTER CURRENT DAY, CURRENT MONTH, CURRENT YEAR
AGE = CURRENT YAER- BIRTH DATE
OUTPUT = AGE
END

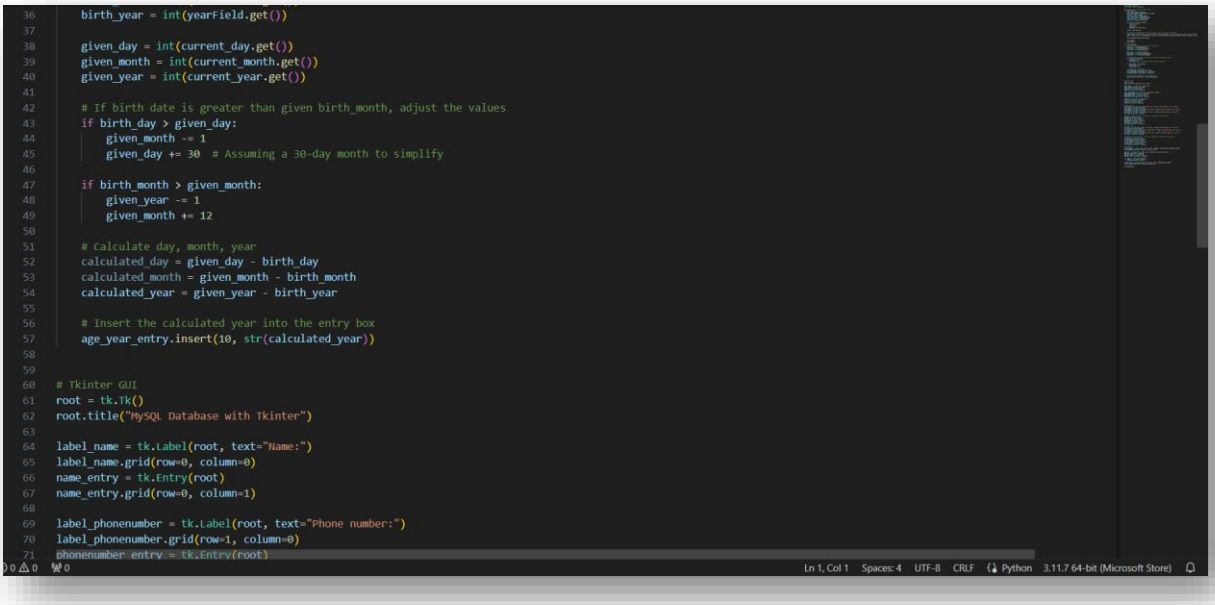
SNAPSHOOT OF THE PHYTON CODE



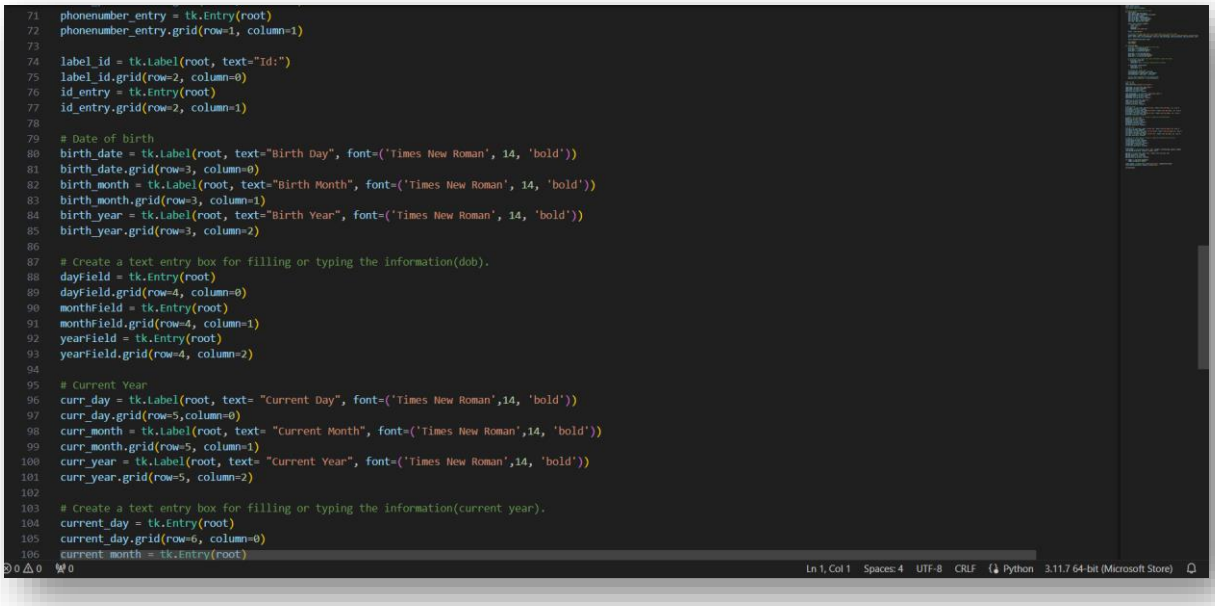
```python
import tkinter as tk
import mysql.connector
from tkinter import messagebox

# Function to insert data into the table
def insert_data():
    users_name = name_entry.get()
    users_phonenumber = phonenumber_entry.get()
    users_id = id_entry.get()
    users_birth_day = dayField.get()
    users_birth_month = monthField.get()
    users_birth_year = yearField.get()
    users_age = age_year_entry.get()

    conn = mysql.connector.connect(
        host="localhost",
        user="root",
        password="",
        database="cafe membership"
    )
    cursor = conn.cursor()

    # Corrected the INSERT INTO syntax and removed quotes from the data variable
    insert_query = "INSERT INTO users (users_name, users_phonenumber, users_id, users_birth_day, users_birth_month, users_birth_year, users_age) VALUES (%s, %s, %s, %s, %
    data = (users_name, users_phonenumber, users_id, users_birth_day, users_birth_month, users_birth_year, users_age)

    cursor.execute(insert_query, data)

    conn.commit()
    conn.close()

def calculate_age():
    # Extract values from the respective entry boxes
    birth_day = int(dayField.get())
    birth_month = int(monthField.get())
    birth_year = int(yearField.get())
```



```python
# Create a text entry box for filling or typing the information(current year).
current_day = tk.Entry(root)
current_day.grid(row=6, column=0)
current_month = tk.Entry(root)
current_month.grid(row=6, column=1)
current_year = tk.Entry(root)
current_year.grid(row=6, column=2)

# Age results
resultantAge = tk.Button(root, text = "Age", command = calculate_age, padx=25, pady=5)
resultantAge.grid(row=8, column=1, sticky= "news")

age_year = tk.Label(root, text= "Age:", font=('Times New Roman',14))
age_year.grid(row=7, column=0)
age_year_entry = tk.Entry(root)
age_year_entry.grid(row=7, column=1)

for widget in root.winfo_children():
    widget.grid(padx=10, pady=5)

insert_button = tk.Button(root, text="Insert Data", command=insert_data)
insert_button.grid(row=9, column=1, sticky="news")

root.mainloop()
```

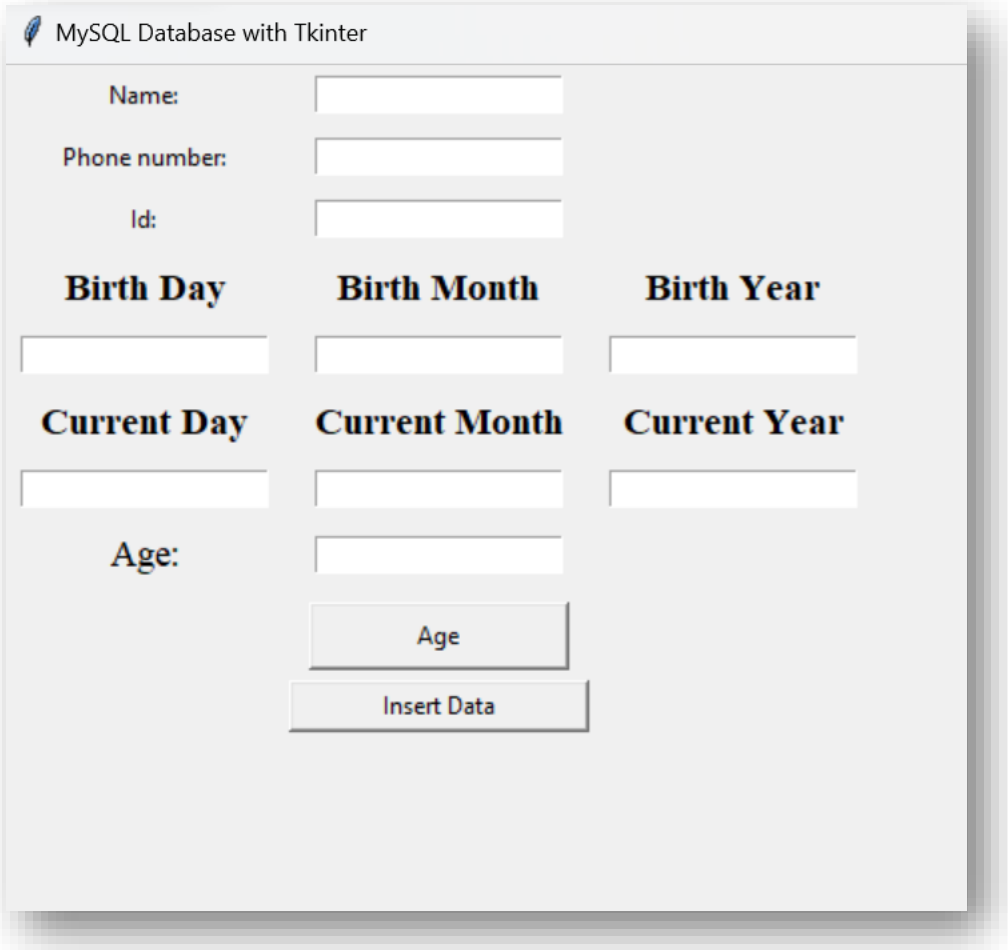


```
    birth_year = int(yearField.get())

    given_day = int(current_day.get())
    given_month = int(current_month.get())
    given_year = int(current_year.get())

    # If birth date is greater than given birth_month, adjust the values
    if birth_day > given_day:
        given_month -= 1
        given_day += 30  # Assuming a 30-day month to simplify

    if birth_month > given_month:
        given_year -= 1
        given_month += 12

    # Calculate day, month, year
    calculated_day = given_day - birth_day
    calculated_month = given_month - birth_month
    calculated_year = given_year - birth_year

    # Insert the calculated year into the entry box
    age_year_entry.insert(10, str(calculated_year))


# Tkinter GUI
root = tk.Tk()
root.title("MySQL Database with Tkinter")

label_name = tk.Label(root, text="Name:")
label_name.grid(row=0, column=0)
name_entry = tk.Entry(root)
name_entry.grid(row=0, column=1)

label_phonenumber = tk.Label(root, text="Phone number:")
label_phonenumber.grid(row=1, column=0)
phonenumber_entry = tk.Entry(root)
```



```
phonenumber_entry = tk.Entry(root)
phonenumber_entry.grid(row=1, column=1)

label_id = tk.Label(root, text="Id:")
label_id.grid(row=2, column=0)
id_entry = tk.Entry(root)
id_entry.grid(row=2, column=1)

# Date of birth
birth_date = tk.Label(root, text="Birth Day", font=('Times New Roman', 14, 'bold'))
birth_date.grid(row=3, column=0)
birth_month = tk.Label(root, text="Birth Month", font=('Times New Roman', 14, 'bold'))
birth_month.grid(row=3, column=1)
birth_year = tk.Label(root, text="Birth Year", font=('Times New Roman', 14, 'bold'))
birth_year.grid(row=3, column=2)

# Create a text entry box for filling or typing the information(dob).
dayField = tk.Entry(root)
dayField.grid(row=4, column=0)
monthField = tk.Entry(root)
monthField.grid(row=4, column=1)
yearField = tk.Entry(root)
yearField.grid(row=4, column=2)

# Current Year
curr_day = tk.Label(root, text= "Current Day", font=('Times New Roman',14, 'bold'))
curr_day.grid(row=5,column=0)
curr_month = tk.Label(root, text= "Current Month", font=('Times New Roman',14, 'bold'))
curr_month.grid(row=5, column=1)
curr_year = tk.Label(root, text= "Current Year", font=('Times New Roman',14, 'bold'))
curr_year.grid(row=5, column=2)

# Create a text entry box for filling or typing the information(current year).
current_day = tk.Entry(root)
current_day.grid(row=6, column=0)
current_month = tk.Entry(root)
```

SNAPSHOT OF THE GUI



DATABASE SCREENSHOOT