



اَوْنُوْزَسِيَّتِيْ تِيْكَوْ لُوْ كِيْ مَارَا
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

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COLLEGE OF COMPUTING, INFORMATICS, AND ME

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KEDAH BRANCH

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INTRODUCTION

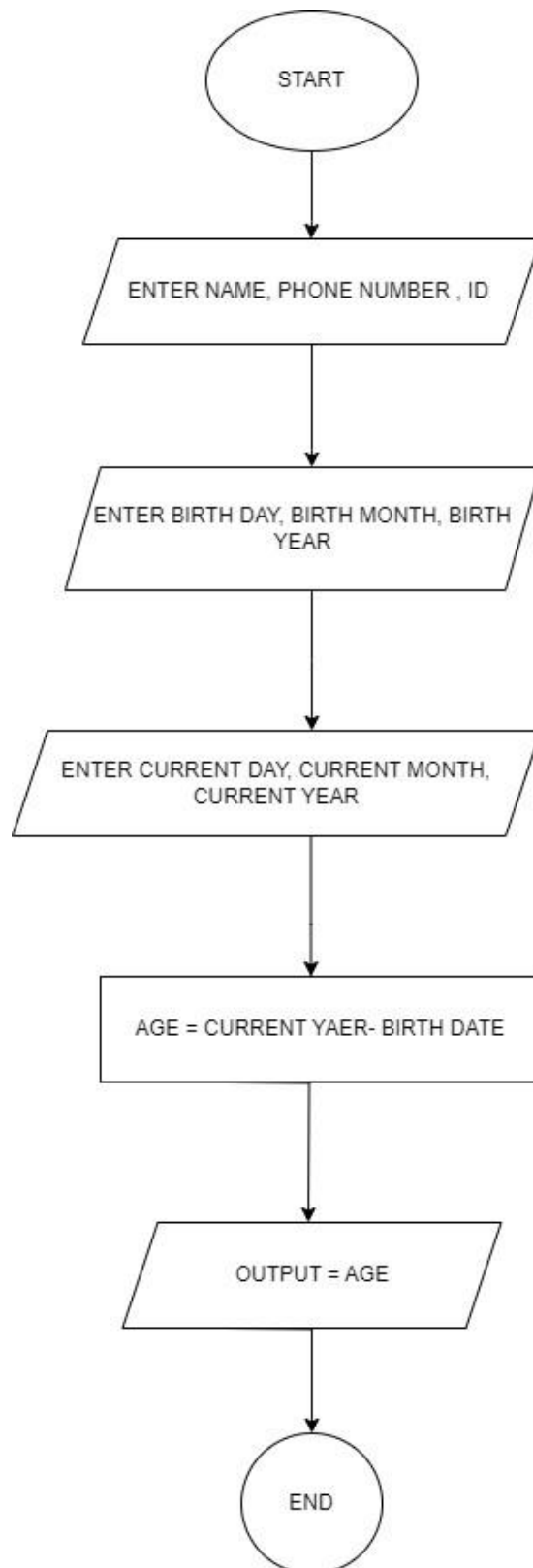
In this project, I do a project about membership registration at café to identify the average age of regular customer that rapidly comes to the café. For this membership registration, the customers must fill all the attributes that have shown which are they need to fill their names, phone number, id,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



SNAPSHOT OF THE PHYTON CODE

```
1 import tkinter as tk
2 import mysql.connector
3 from tkinter import messagebox
4
5 # Function to insert data into the table
6 def insert_data():
7     users_name = name_entry.get()
8     users_phonenumber = phonenumber_entry.get()
9     users_id = id_entry.get()
10    users_birth_day = dayfield.get()
11    users_birth_month = monthfield.get()
12    users_birth_year = yearfield.get()
13    users_age = age_year_entry.get()
14
15    conn = mysql.connector.connect(
16        host="localhost",
17        user="root",
18        password="",
19        database="cafe membership"
20    )
21    cursor = conn.cursor()
22
23    # Corrected the INSERT INTO syntax and removed quotes from the data variable
24    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, %s, %s, %s)"
25    data = (users_name, users_phonenumber, users_id, users_birth_day, users_birth_month, users_birth_year, users_age)
26
27    cursor.execute(insert_query, data)
28
29    conn.commit()
30    conn.close()
31
32 def calculate_age():
33     # Extract values from the respective entry boxes
34     birth_day = int(dayfield.get())
35     birth_month = int(monthfield.get())
36     birth_year = int(yearfield.get())
```

```
103 # Create a text entry box for filling or typing the information(current year).
104 current_day = tk.Entry(root)
105 current_day.grid(row=6, column=0)
106 current_month = tk.Entry(root)
107 current_month.grid(row=6, column=1)
108 current_year = tk.Entry(root)
109 current_year.grid(row=6, column=2)
110
111 # Age results
112 resultantAge = tk.Button(root, text = "Age", command = calculate_age, padx=25, pady=5)
113 resultantAge.grid(row=8, column=1, sticky="news")
114
115 age_year = tk.Label(root, text= "Age:", font=('Times New Roman',14))
116 age_year.grid(row=7, column=0)
117 age_year_entry = tk.Entry(root)
118 age_year_entry.grid(row=7, column=1)
119
120 for widget in root.winfo_children():
121     widget.grid(padx=10, pady=5)
122
123 insert_button = tk.Button(root, text="Insert Data", command=insert_data)
124 insert_button.grid(row=9, column=1, sticky="news")
125
126 root.mainloop()
```

```

36     birth_year = int(yearfield.get())
37
38     given_day = int(current_day.get())
39     given_month = int(current_month.get())
40     given_year = int(current_year.get())
41
42     # If birth date is greater than given birth_month, adjust the values
43     if birth_day > given_day:
44         given_month -= 1
45         given_day += 30 # Assuming a 30-day month to simplify
46
47     if birth_month > given_month:
48         given_year -= 1
49         given_month += 12
50
51     # calculate day, month, year
52     calculated_day = given_day - birth_day
53     calculated_month = given_month - birth_month
54     calculated_year = given_year - birth_year
55
56     # Insert the calculated year into the entry box
57     age_year_entry.insert(10, str(calculated_year))
58
59
60 # Tkinter GUI
61 root = tk.Tk()
62 root.title("MySQL Database with Tkinter")
63
64 label_name = tk.Label(root, text="Name:")
65 label_name.grid(row=0, column=0)
66 name_entry = tk.Entry(root)
67 name_entry.grid(row=0, column=1)
68
69 label_phonenumber = tk.Label(root, text="Phone number:")
70 label_phonenumber.grid(row=1, column=0)
71 phonenumber_entry = tk.Entry(root)

```

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python 3.11.7 64-bit (Microsoft Store)

```

71 phonenumber_entry = tk.Entry(root)
72 phonenumber_entry.grid(row=1, column=1)
73
74 label_id = tk.Label(root, text="Id:")
75 label_id.grid(row=2, column=0)
76 id_entry = tk.Entry(root)
77 id_entry.grid(row=2, column=1)
78
79 # Date of birth
80 birth_date = tk.Label(root, text="Birth Day", font=('Times New Roman', 14, 'bold'))
81 birth_date.grid(row=3, column=0)
82 birth_month = tk.Label(root, text="Birth Month", font=('Times New Roman', 14, 'bold'))
83 birth_month.grid(row=3, column=1)
84 birth_year = tk.Label(root, text="Birth Year", font=('Times New Roman', 14, 'bold'))
85 birth_year.grid(row=3, column=2)
86
87 # Create a text entry box for filling or typing the information(dob).
88 dayfield = tk.Entry(root)
89 dayfield.grid(row=4, column=0)
90 monthfield = tk.Entry(root)
91 monthfield.grid(row=4, column=1)
92 yearfield = tk.Entry(root)
93 yearfield.grid(row=4, column=2)
94
95 # Current Year
96 curr_day = tk.Label(root, text="Current Day", font=('Times New Roman', 14, 'bold'))
97 curr_day.grid(row=5, column=0)
98 curr_month = tk.Label(root, text="Current Month", font=('Times New Roman', 14, 'bold'))
99 curr_month.grid(row=5, column=1)
100 curr_year = tk.Label(root, text="Current Year", font=('Times New Roman', 14, 'bold'))
101 curr_year.grid(row=5, column=2)
102
103 # Create a text entry box for filling or typing the information(current year).
104 current_day = tk.Entry(root)
105 current_day.grid(row=6, column=0)
106 current_month = tk.Entry(root)

```

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python 3.11.7 64-bit (Microsoft Store)

SNAPSHOT OF THE GUI

The image shows a graphical user interface (GUI) window titled "MySQL Database with Tkinter". The window contains several input fields and two buttons. The fields are arranged in a grid-like fashion. The first three fields are "Name:", "Phone number:", and "Id:", each followed by a text input box. Below these are three columns of birth date fields: "Birth Day", "Birth Month", and "Birth Year", each with a corresponding input box. Similarly, there are three columns for current date fields: "Current Day", "Current Month", and "Current Year", each with a corresponding input box. At the bottom left, there is an "Age:" label followed by an input box. Below the "Age" input box is a button labeled "Age". At the very bottom center is a button labeled "Insert Data".

Name:		
Phone number:		
Id:		
Birth Day	Birth Month	Birth Year
Current Day	Current Month	Current Year
Age:		
<div>Age</div>		
<div>Insert Data</div>		

DATABASE SCREENSHOOT

Server: 127.0.0.1 » Database: cafe_membership » Table: users

Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)

```
SELECT * FROM `users`
```

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 | Filter rows:

Extra options

users_name	users_phonenumber	users_id	users_birch_day	users_birch_month	users_birch_year	users_age
dhiya	1172685953	12345678	0	0	0	0
dede	12345678	123456789	2	12	2003	-1
amni	2147483647	9138987	8	11	2004	19
	173059325	2147483647	4	9	2003	20

☐ Show all | Number of rows: 25 | Filter rows:

Query results operations

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localhost/phpmyadmin/index.php?route=/sql&db=cafe+membership&table=users&pos=0

users_name	users_phonenumber	users_id	users_birch_day	users_birch_month	users_birch_year	users_age
dhiya	1172685953	12345678	0	0	0	0
dede	12345678	123456789	2	12	2003	-1
amni	2147483647	9138987	8	11	2004	19
	173059325	2147483647	4	9	2003	20

☐ Show all | Number of rows: 25 | Filter rows:

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