



**UNIVERSITI TEKNOLOGI MARA (UiTM),
MERBOK, KEDAH**

**FACULTY OF INFORMATION SCIENCE STUDIES,
COLLEGE OF COMPUTING,
INFROMATICS AND MEDIA STUDIES**

**PROGRAMMING FOR LIBRARIES (IML208)
INDIVIDUAL ASSIGNMENT
CLASS: KIM1443B**

PREPARED BY:

NAME	STUDENT ID
NUR IZZATI BINTI MOHD ABDUL MALEK	2022609496

PREPARED FOR:

SIR AIRUL SHAZWAN BIN NORSHAHIMI

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INDIVIDUAL ASSIGNMENT

NUR IZZATI BINTI MOHD ABDUL MALEK

2022609496

KCDIM1443B

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WEEK 12

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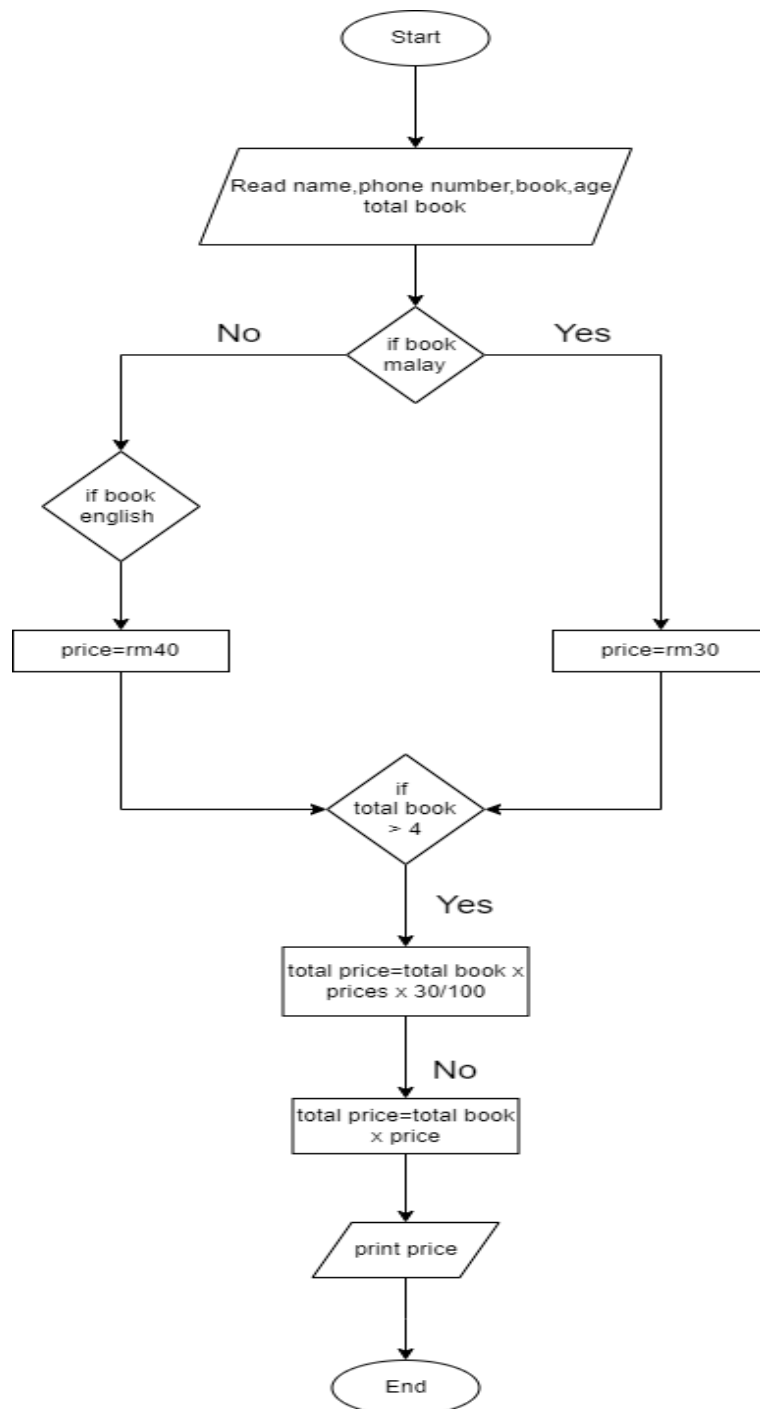
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1.0 INTRODUCTION

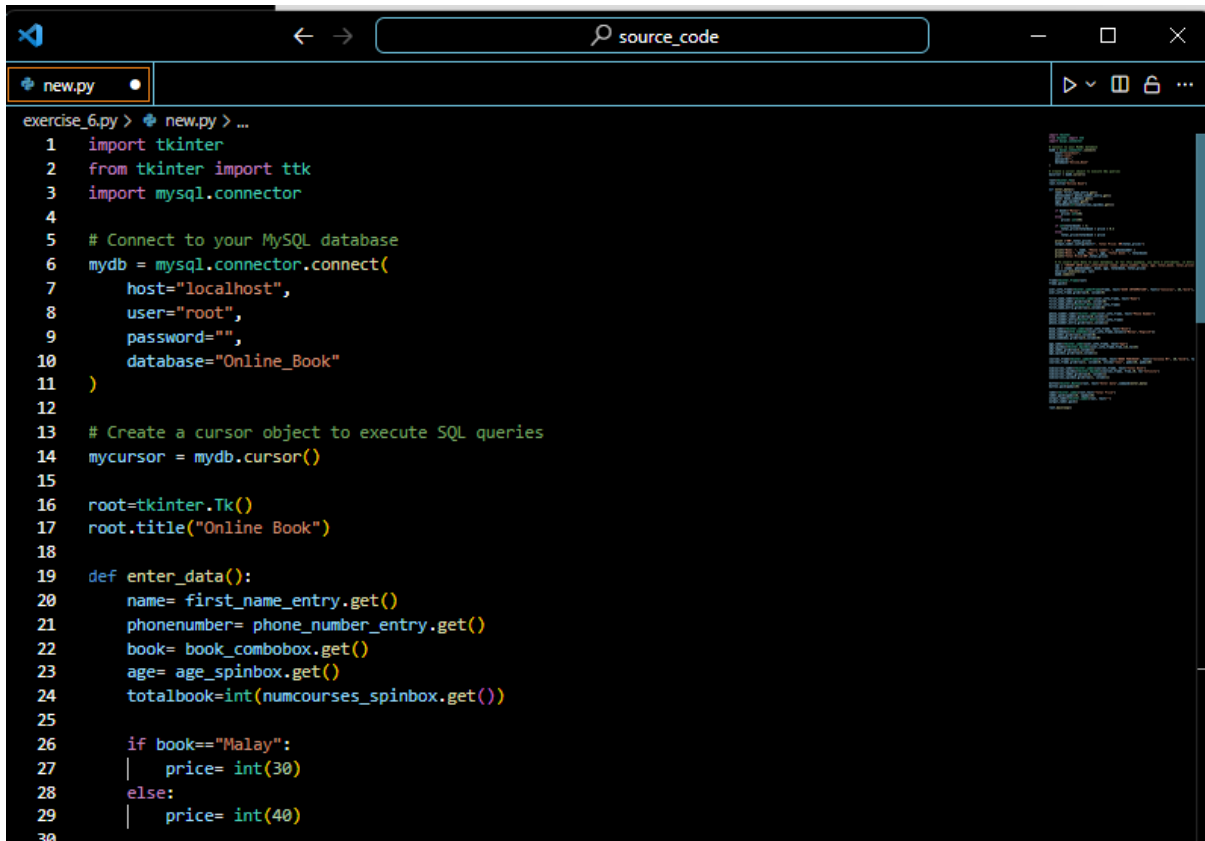
Regarding my report, I have chosen the title of the online book. This online book is for a person who can order a book online. This online book requires some information about the individual to facilitate the purchase. Based on the report, I entered the information as user information. The user information contains name, phone number, book, age, total book, and finally total price.

This online book system can work by entering some user information. This system can work by entering a name, phone number, book, age, and total book. After entering all this, the next thing is to click the enter data button. After entering all this, the next thing is to click the enter data button. When you click the button enter data, the total price is also released. Not only that, the total price released is also likely to have a discount for the purchase of more than five books.

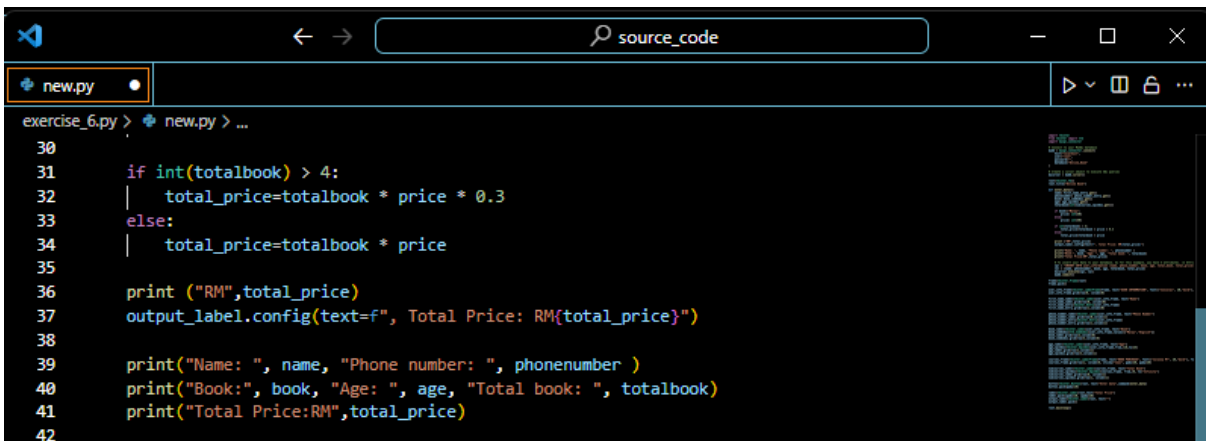
2.0 FLOWCHART



3.0 SNAPSHOT CODE



```
exercise_6.py > new.py > ...
1  import tkinter
2  from tkinter import ttk
3  import mysql.connector
4
5  # Connect to your MySQL database
6  mydb = mysql.connector.connect(
7      host="localhost",
8      user="root",
9      password="",
10     database="Online_Book"
11 )
12
13 # Create a cursor object to execute SQL queries
14 mycursor = mydb.cursor()
15
16 root=tkinter.Tk()
17 root.title("Online Book")
18
19 def enter_data():
20     name= first_name_entry.get()
21     phonenumber= phone_number_entry.get()
22     book= book_combobox.get()
23     age= age_spinbox.get()
24     totalbook=int(numcourses_spinbox.get())
25
26     if book=="Malay":
27         price= int(30)
28     else:
29         price= int(40)
30
```



```
exercise_6.py > new.py > ...
30
31     if int(totalbook) > 4:
32         total_price=totalbook * price * 0.3
33     else:
34         total_price=totalbook * price
35
36     print ("RM",total_price)
37     output_label.config(text=f" Total Price: RM{total_price}")
38
39     print("Name: ", name, "Phone number: ", phonenumber )
40     print("Book:", book, "Age: ", age, "Total book: ", totalbook)
41     print("Total Price:RM",total_price)
42
```

```

42
43 # To insert your Data to your database, As for this example, you have 3 attributes. (2 Attributes from your selection (Package, Pack) and another attributes that derived from your
44 sql = "INSERT INTO user_information (name, phone_number, book, age, total_book, total_price) VALUES (%s,%s,%s,%s,%s,%s)"
45 val = (name, phonenumber, book, age, totalbook, total_price)
46 mycursor.execute(sql, val)
47 mydb.commit()
48
49 frame=tkinter.Frame(root)
50 frame.pack()
51
52 user_info_frame=tkinter.LabelFrame(frame, text="USER INFORMATION", font=("Consolas", 20,"bold"), foreground= "blue")
53 user_info_frame.grid(row=0, column=0)
54
55 first_name_label=tkinter.Label(user_info_frame, text="Name")
56 first_name_label.grid(row=0, column=0)
57 first_name_entry=tkinter.Entry(user_info_frame)
58 first_name_entry.grid(row=1,column=0)
59
60 phone_number_label=tkinter.Label(user_info_frame, text="Phone Number")
61 phone_number_label.grid(row=0,column=1)
62 phone_number_entry=tkinter.Entry(user_info_frame)
63 phone_number_entry.grid(row=1,column=1)

```

```

62
63 phone_number_label=tkinter.Label(user_info_frame, text="Phone Number")
64 phone_number_label.grid(row=0,column=1)
65 phone_number_entry=tkinter.Entry(user_info_frame)
66 phone_number_entry.grid(row=1,column=1)
67
68 book_label=tkinter.Label(user_info_frame, text="Book")
69 book_combobox=ttk.Combobox(user_info_frame,values=["Malay","English"])
70 book_label.grid(row=2,column=0)
71 book_combobox.grid(row=3,column=0)
72
73 age_label=tkinter.Label(user_info_frame, text="Age")
74 age_spinbox=tkinter.Spinbox(user_info_frame,from_=18,to=25)
75 age_label.grid(row=2,column=1)
76 age_spinbox.grid(row=3,column=1)
77

```

```

78 numcourses_label=tkinter.Label(courses_frame, text="Total Book")
79 numcourses_spinbox=tkinter.Spinbox(courses_frame, from_=0, to="Infinity")
80 numcourses_label.grid(row=0, column=1)
81 numcourses_spinbox.grid(row=1, column=1)
82
83 button=tkinter.Button(root, text="Enter data",command=enter_data)
84 button.pack(pady=10)
85
86 label=tkinter.Label(root,text="Total Price")
87 label.pack(ipadx=10, ipady=10)
88 output_label=tkinter.Label(root, text="")
89 output_label.pack()
90
91 root.mainloop()
92

```

Ln 31, Col 4 Spaces: 4 UTF-8 CRLF Python

4.0 SNAPSHOT GUI

Online Book

USER INFORMATION

Name Phone Number

Book Age

BOOK PURCHASE

Total Book

Total Price
Total Price: RM108.0

5.0 SNAPSHOT DATABASE

Server: 127.0.0.1 » Database: online_book » Table: user_information

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Import](#) [Privileges](#)

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available

✓ Showing rows 0 - 3 (4 total, Query took 0.0004 seconds.)

```
SELECT * FROM `user_information`
```

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

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

Extra options

name	phone_number	book	age	total_book	total_price
syahirah	0123748956	Malay	25	6	54
zarith	0191234798	English	25	4	160
anisa	0189407569	Malay	25	3	90
akmal	0123457897	English	25	9	108

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

Query results operations

Server: 127.0.0.1 » Database: online_book » Table: user_information

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Operations](#)

[Table structure](#)
[Relation view](#)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	name	char(20)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	phone_number	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	book	char(10)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	age	int(3)			No	None			Change Drop More
<input type="checkbox"/> 5	total_book	int(10)			No	None			Change Drop More
<input type="checkbox"/> 6	total_price	int(10)			No	None			Change Drop More

☐ Check all
 With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#)

[Add to central columns](#)
[Remove from central columns](#)

[Print](#)
[Propose table structure](#)
[Track table](#)
[Move columns](#)
[Normalize](#)

[Add](#)
 column(s)

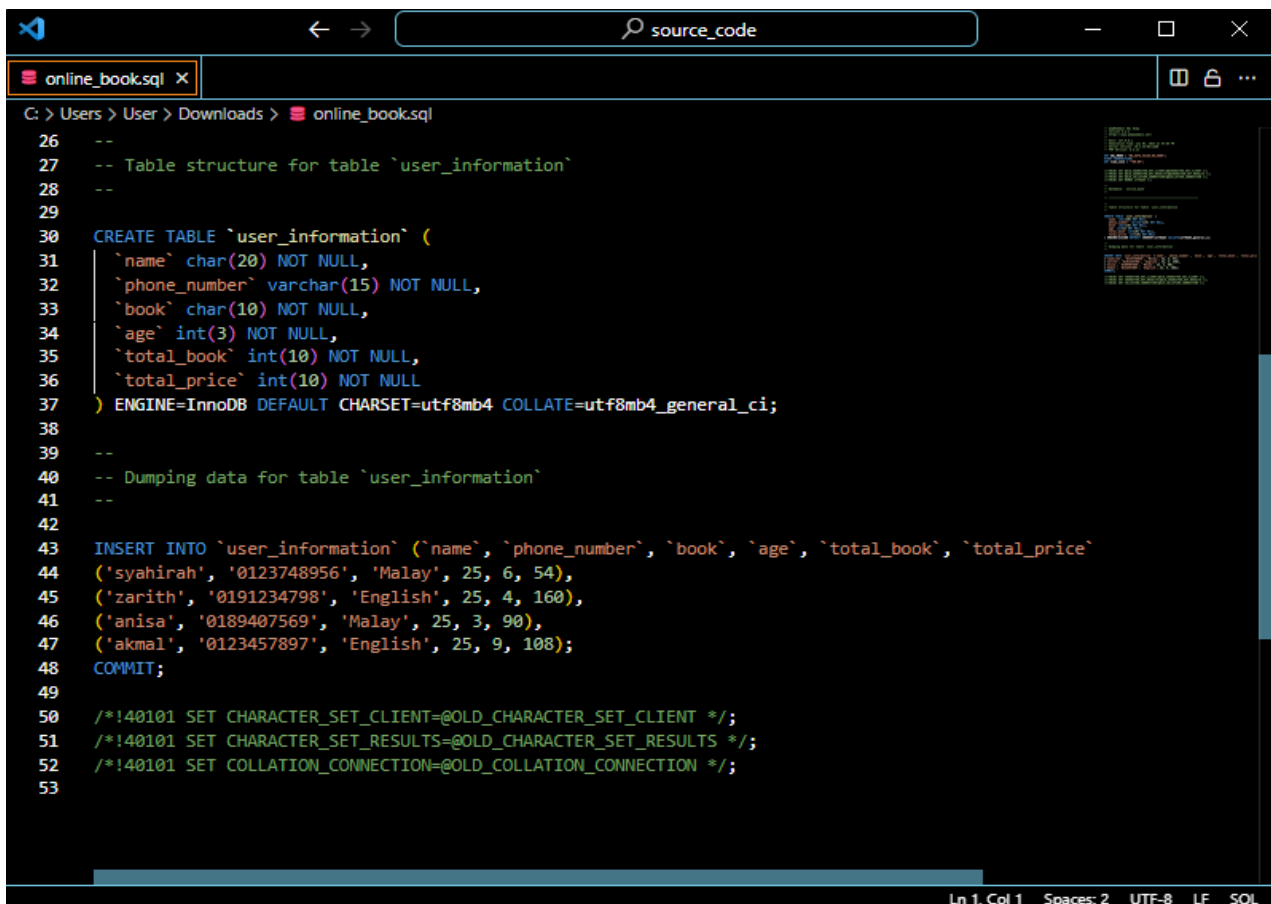
[Go](#)

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```

1  -- phpMyAdmin SQL Dump
2  -- version 5.2.1
3  -- https://www.phpmyadmin.net/
4  --
5  -- Host: 127.0.0.1
6  -- Generation Time: Jan 03, 2024 at 07:05 PM
7  -- Server version: 10.4.32-MariaDB
8  -- PHP Version: 8.2.12
9
10 SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
11 START TRANSACTION;
12 SET time_zone = "+00:00";
13
14
15 /*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
16 /*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
17 /*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
18 /*!40101 SET NAMES utf8mb4 */;
19
20 --
21 -- Database: `online_book`
22 --
23
24 -- -----
25 --
26 --
27 -- Table structure for table `user_information`
28 --
29

```

A screenshot of a code editor window. The title bar shows a search icon, a back/forward arrow, a search box containing 'source_code', and window control buttons. The editor has a tab labeled 'online_book.sql'. The file path is 'C: > Users > User > Downloads > online_book.sql'. The code is SQL, creating a table 'user_information' with columns: 'name' (char(20) NOT NULL), 'phone_number' (varchar(15) NOT NULL), 'book' (char(10) NOT NULL), 'age' (int(3) NOT NULL), 'total_book' (int(10) NOT NULL), and 'total_price' (int(10) NOT NULL). The table is created with ENGINE=InnoDB, DEFAULT CHARSET=utf8mb4, and COLLATE=utf8mb4_general_ci. It then inserts four rows of data. The code ends with character set and collation reset comments. The status bar at the bottom shows 'Ln 1, Col 1', 'Spaces: 2', 'UTF-8', 'LF', and 'SQL'.

7.0 CONCLUSION

In conclusion, by doing all these tasks, I was able to learn several things. Among them, I know how to Cread & Read. Not only that, I also understand how the calculation is done and produced. Before this, I only listened to and watched videos. This caused me to lack understanding. But when I do it, I understand more and I learn a lot about it. In the beginning, when I do a lot of problems obtained. With this problem, I need to learn and be more careful to solve the problem.