UNIVERSITI TEKNOLOGI MARA

KEDAH BRANCH

SCHOOL OF INFORMATION SCIENCE

COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

DIPLOMA IN LIBRARY INFORMATIC (IM144)

IML 208: Programming For Libraries

ASSESSMENT 1: Programming

MUET TEST FOR REPEATER

Prepared by:

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UNIVESITI TEKNOLOGI MARA (UITM)

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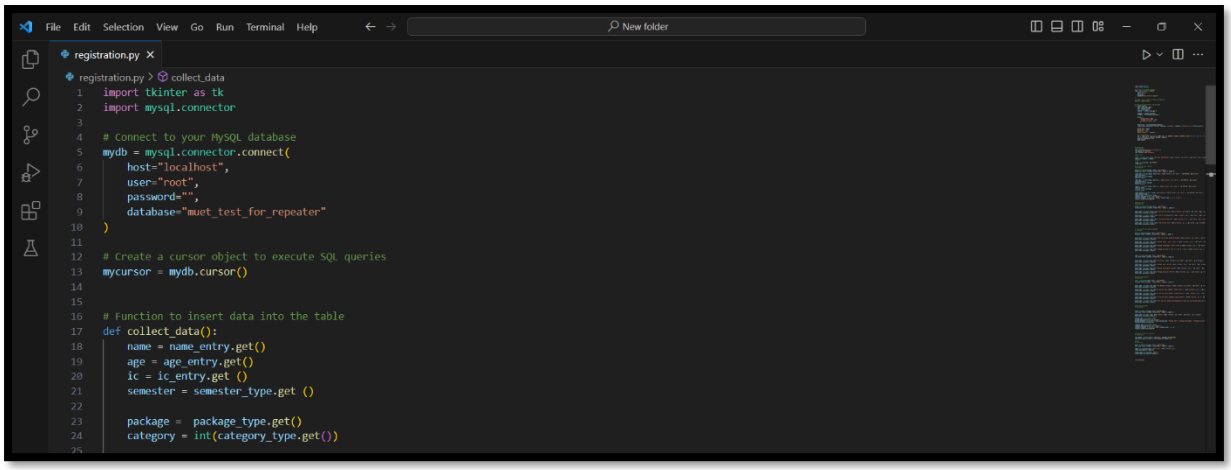
Introduction:

Do you know what MUET stands for? This acronym, which pre-university students are particularly familiar with, stands for The Malaysian University English Test. However, the Malaysian government developed this English exam to provide a standard for English proficiency among students in the country. Thus, continue reading if you intend to pursue your degree at a nearby university because it contains all the information you require.

MUET was previously held only twice a year, in the middle of the year between April and May, and at the end of the year between October and November. However, as of 2012, MUET is now held three times a year in March, July, and November.

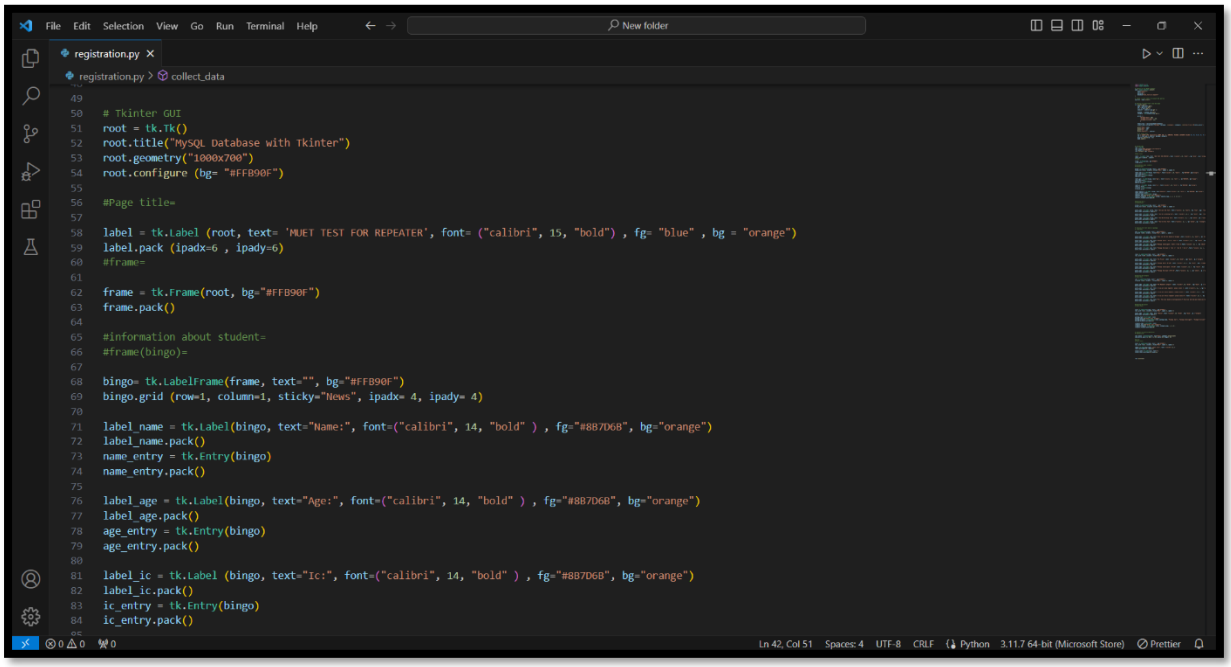
If you did not pass the first time around or are not happy with your score, you have the option to retake the MUET. There is no upper limit to this, but students would be well advised to make advance plans. Students need to be aware of the local university's admissions season. This is due to the fact that enrolment in degree programs at nearby universities is restricted to MUET-trained students alone. Students who have completed their matriculation or STPM coursework are still eligible to take the MUET. However, in order for students to register for their selected courses as soon as the registration for local university applications opens, it is best to receive both STPM/matriculation results along with MUET results.

Snapshot of CODE:

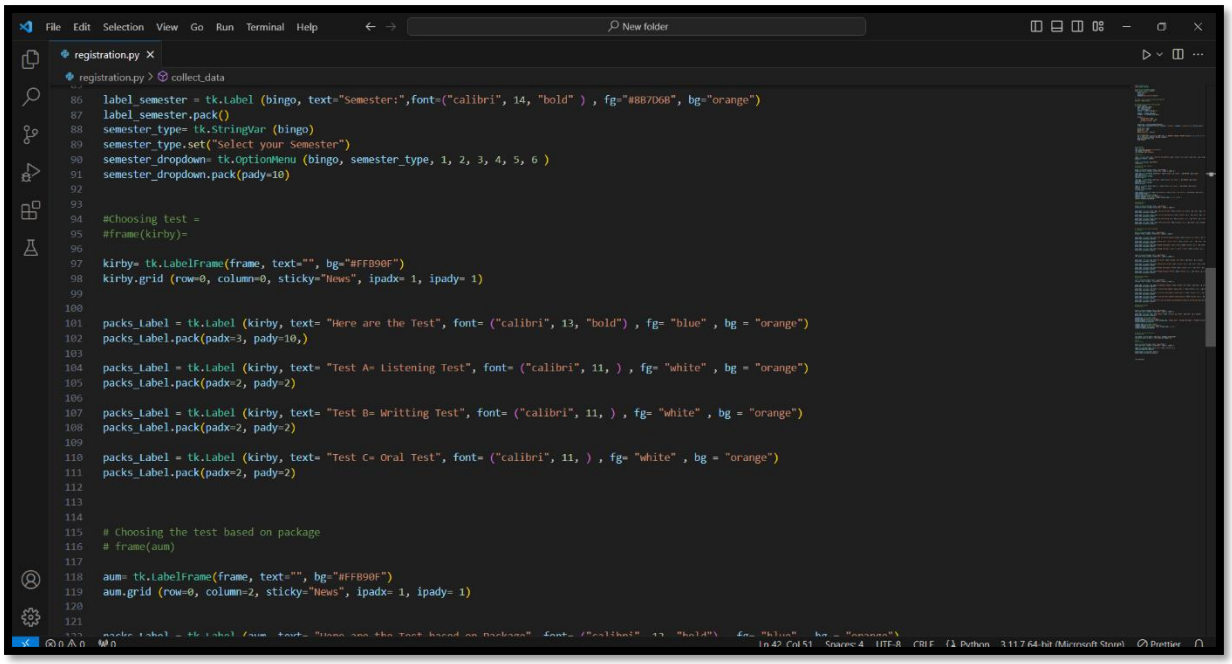


```python
import tkinter as tk
import mysql.connector

# Connect to your MySQL database
mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="",
    database="muet_test_for_repeater"
)

# Create a cursor object to execute SQL queries
mycursor = mydb.cursor()


# Function to insert data into the table
def collect_data():
    name = name_entry.get()
    age = age_entry.get()
    ic = ic_entry.get ()
    semester = semester_type.get ()

    package =  package_type.get()
    category = int(category_type.get())
```

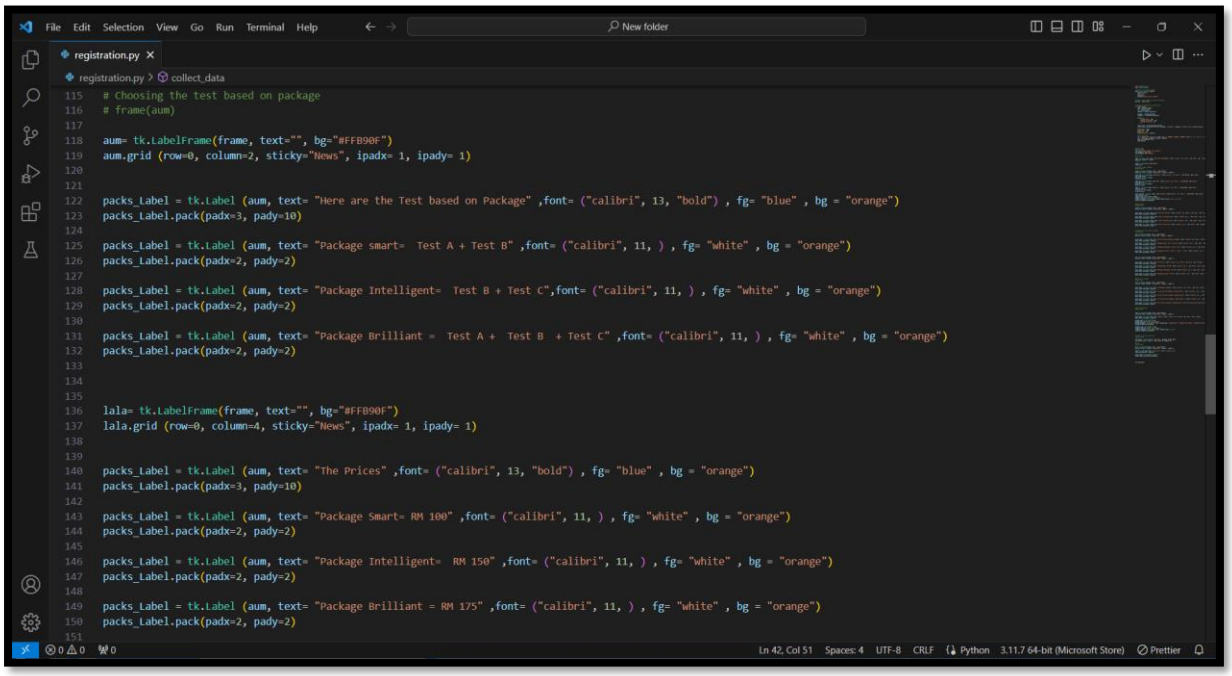
```python
    prices = {
        "Package Smart": 100,
        "Package Intelligent": 150,
        "Package Brilliant": 175,
        }

    total_price = (prices[package]*category)
    output_label.config(text=f"package: {package}, \ncategory: {category}, \n\nTotal Price: RM{total_price}")

    print("Name:",name)
    print("Age:", age)
    print("Ic:", ic)
    print("Semester:", semester)

    # To insert data
    sql = "INSERT INTO registration (NAME, AGE, IC, SEMESTER, PACKAGE, CATEGORY) VALUES (%s, %s, %s,%s, %s, %s )"
    val = (name,age,ic,semester, package, category)
    mycursor.execute(sql, val)
    mydb.commit()
```



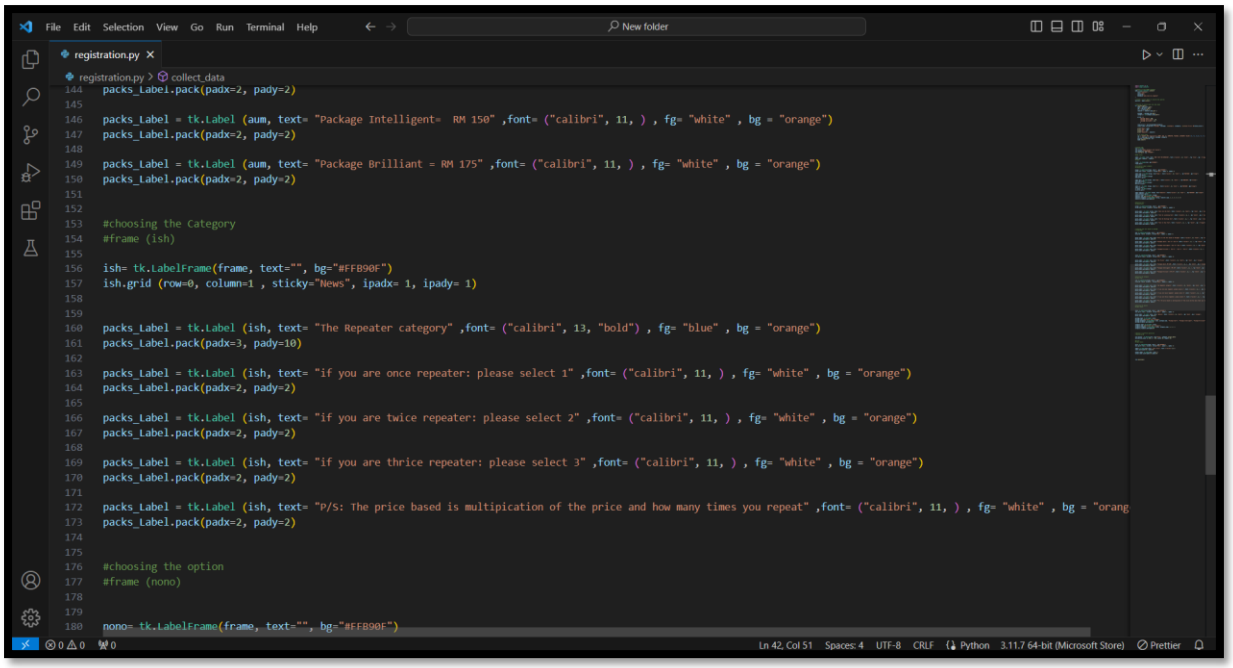
```python
# Tkinter GUI
root = tk.Tk()
root.title("MySQL Database with Tkinter")
root.geometry("1000x700")
root.configure (bg= "#FFB90F")

#Page title=

label = tk.Label (root, text= 'MUET TEST FOR REPEATER', font= ("calibri", 15, "bold") , fg= "blue" , bg = "orange")
label.pack (ipadx=6 , ipady=6)
#frame=

frame = tk.Frame(root, bg="#FFB90F")
frame.pack()

#information about student=
#frame(bingo)=

bingo= tk.LabelFrame(frame, text="", bg="#FFB90F")
bingo.grid (row=1, column=1, sticky="News", ipadx= 4, ipady= 4)

label_name = tk.Label(bingo, text="Name:", font=("calibri", 14, "bold" ) , fg="#887D6B", bg="orange")
label_name.pack()
name_entry = tk.Entry(bingo)
name_entry.pack()

label_age = tk.Label(bingo, text="Age:", font=("calibri", 14, "bold" ) , fg="#887D6B", bg="orange")
label_age.pack()
age_entry = tk.Entry(bingo)
age_entry.pack()

label_ic = tk.Label (bingo, text="Ic:", font=("calibri", 14, "bold" ) , fg="#887D6B", bg="orange")
label_ic.pack()
ic_entry = tk.Entry(bingo)
ic_entry.pack()
```



```
label_semester = tk.Label (bingo, text="Semester:",font=("calibri", 14, "bold" ) , fg="#8B7D6B", bg="orange")
label_semester.pack()
semester_type= tk.StringVar (bingo)
semester_type.set("Select your Semester")
semester_dropdown= tk.OptionMenu (bingo, semester_type, 1, 2, 3, 4, 5, 6 )
semester_dropdown.pack(pady=10)


#Choosing test =
#frame(kirby)=

kirby= tk.LabelFrame(frame, text="", bg="#FFB90F")
kirby.grid (row=0, column=0, sticky="News", ipadx= 1, ipady= 1)


packs_Label = tk.Label (kirby, text= "Here are the Test", font= ("calibri", 13, "bold") , fg= "blue" , bg = "orange")
packs_Label.pack(padx=3, pady=10,)

packs_Label = tk.Label (kirby, text= "Test A= Listening Test", font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)

packs_Label = tk.Label (kirby, text= "Test B= Writting Test", font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)

packs_Label = tk.Label (kirby, text= "Test C= Oral Test", font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)



# Choosing the test based on package
# frame(aum)

aum= tk.LabelFrame(frame, text="", bg="#FFB90F")
aum.grid (row=0, column=2, sticky="News", ipadx= 1, ipady= 1)
```



```
# Choosing the test based on package
# frame(aum)

aum= tk.LabelFrame(frame, text="", bg="#FFB90F")
aum.grid (row=0, column=2, sticky="News", ipadx= 1, ipady= 1)


packs_Label = tk.Label (aum, text= "Here are the Test based on Package" ,font= ("calibri", 13, "bold") , fg= "blue" , bg = "orange")
packs_Label.pack(padx=3, pady=10)

packs_Label = tk.Label (aum, text= "Package smart=  Test A + Test B" ,font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)

packs_Label = tk.Label (aum, text= "Package Intelligent=  Test B + Test C",font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)

packs_Label = tk.Label (aum, text= "Package Brilliant =  Test A +  Test B  + Test C" ,font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)



lala= tk.LabelFrame(frame, text="", bg="#FFB90F")
lala.grid (row=0, column=4, sticky="News", ipadx= 1, ipady= 1)


packs_Label = tk.Label (aum, text= "The Prices" ,font= ("calibri", 13, "bold") , fg= "blue" , bg = "orange")
packs_Label.pack(padx=3, pady=10)

packs_Label = tk.Label (aum, text= "Package Smart= RM 100" ,font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)

packs_Label = tk.Label (aum, text= "Package Intelligent=  RM 150" ,font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)

packs_Label = tk.Label (aum, text= "Package Brilliant = RM 175" ,font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)
```

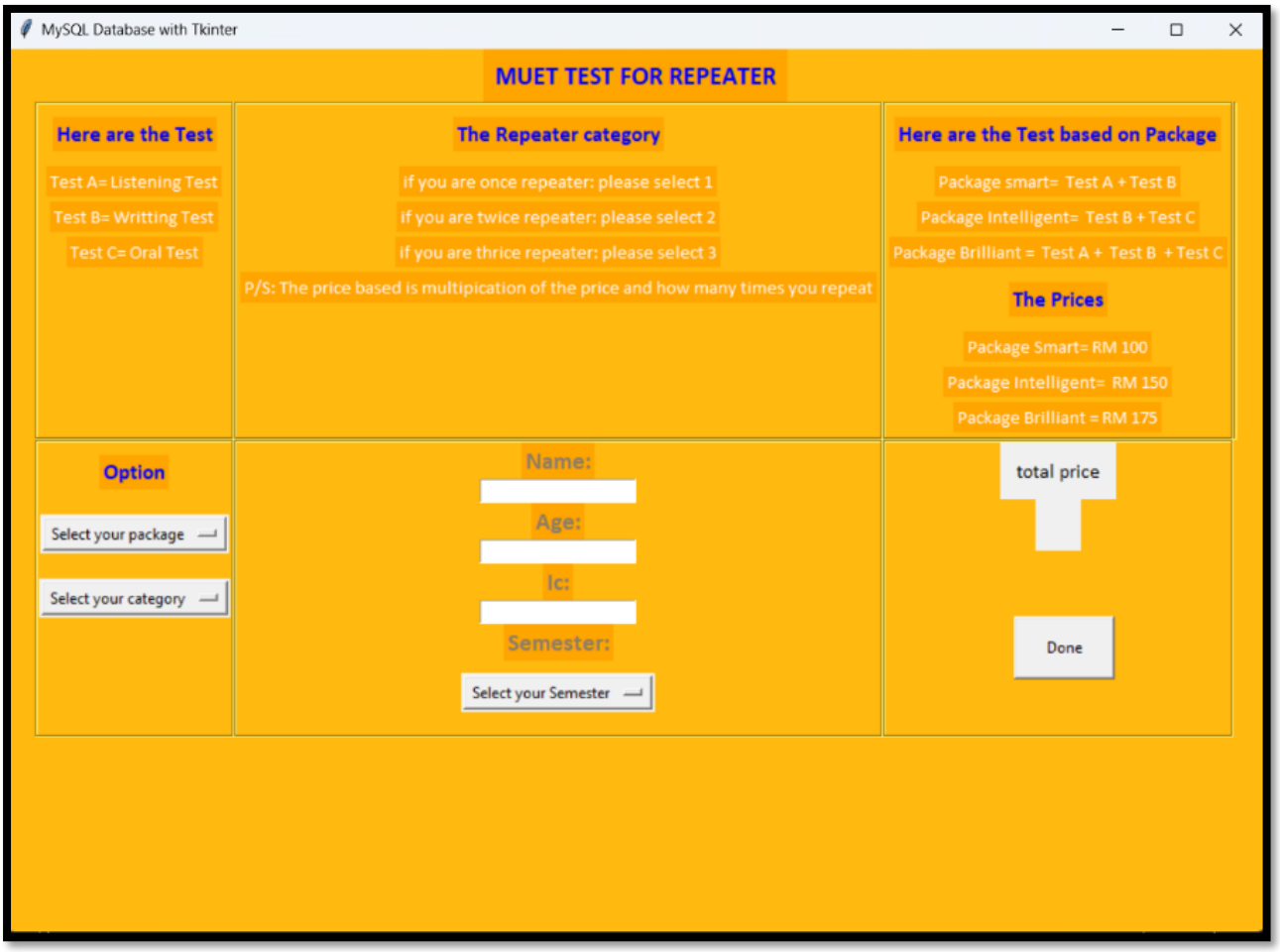


```
packs_Label.pack(padx=2, pady=2)

packs_Label = tk.Label (aum, text= "Package Intelligent=  RM 150" ,font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)

packs_Label = tk.Label (aum, text= "Package Brilliant = RM 175" ,font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)


#choosing the Category
#frame (ish)

ish= tk.LabelFrame(frame, text="", bg="#FFB90F")
ish.grid (row=0, column=1 , sticky="News", ipadx= 1, ipady= 1)


packs_Label = tk.Label (ish, text= "The Repeater category" ,font= ("calibri", 13, "bold") , fg= "blue" , bg = "orange")
packs_Label.pack(padx=3, pady=10)

packs_Label = tk.Label (ish, text= "if you are once repeater: please select 1" ,font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)

packs_Label = tk.Label (ish, text= "if you are twice repeater: please select 2" ,font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)

packs_Label = tk.Label (ish, text= "if you are thrice repeater: please select 3" ,font= ("calibri", 11, ) , fg= "white" , bg = "orange")
packs_Label.pack(padx=2, pady=2)

packs_Label = tk.Label (ish, text= "P/S: The price based is multipication of the price and how many times you repeat" ,font= ("calibri", 11, ) , fg= "white" , bg = "orang
packs_Label.pack(padx=2, pady=2)


#choosing the option
#frame (nono)


nono= tk.LabelFrame(frame, text="", bg="#FFB90F")
```

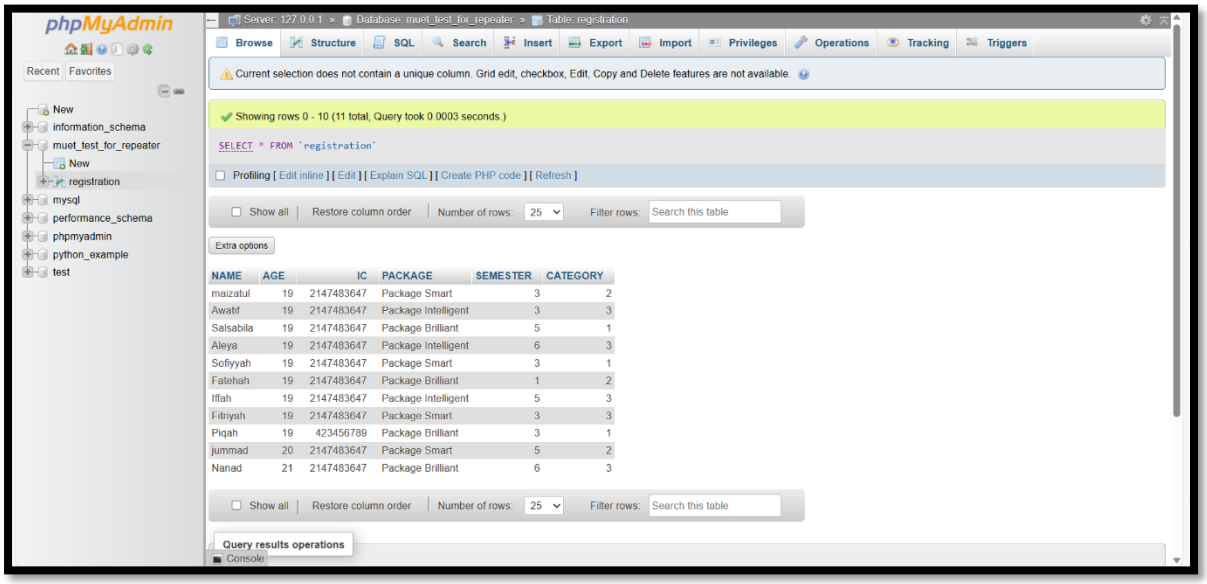
```
#choosing the option
#frame (nono)


nono= tk.LabelFrame(frame, text="", bg="#FFB90F")
nono.grid (row=1, column=0, sticky="News", ipadx= 1, ipady= 1)

packs_Label = tk.Label (nono, text= "Option", font= ("calibri", 13, "bold") , fg= "blue" , bg = "orange")
packs_Label.pack(padx=3, pady=10,)

package_type= tk.StringVar (nono)
package_type.set("Select your package")
package_dropdown= tk.OptionMenu (nono, package_type, "Package Smart", "Package Intelligent", "Package Brilliant" )
package_dropdown.pack(pady=10)

category_type= tk.StringVar (nono)
category_type.set("Select your category")
category_dropdown= tk.OptionMenu (nono, category_type, 1, 2, 3 )
category_dropdown.pack(pady=10)



# Buttons to perform operations
# Buttons grid

save_button = tk.Button(root, text="Done", command= collect_data)
save_button.place (x= 800, y = 450, width= 80, height= 50)
```

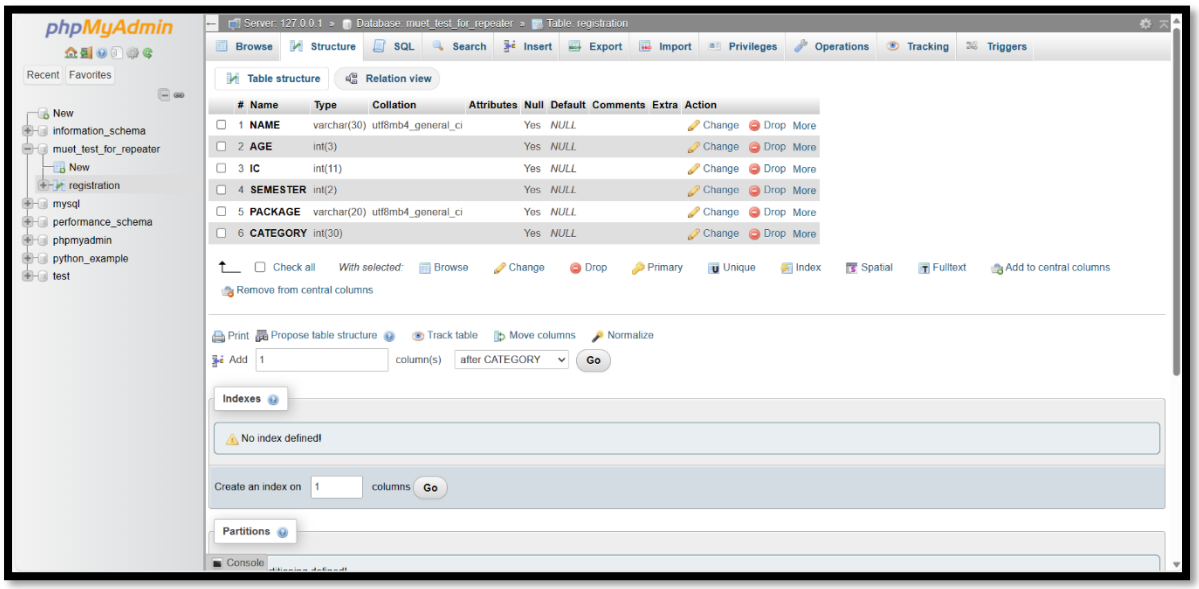
```
#prices
#frame (nais)

nais= tk.LabelFrame(frame, text="", bg="#FFB90F")
nais.grid (row=1, column=2, sticky="News", ipadx= 1, ipady= 1)

label= tk.Label(nais,text= 'total price', font= ("calibri",12,))
label.pack(ipadx=10, ipady=10)

output_label= tk.Label(nais ,text="")
output_label.pack(ipadx=15,ipady=10)



root.mainloop()
```

Snapshot of GUI:

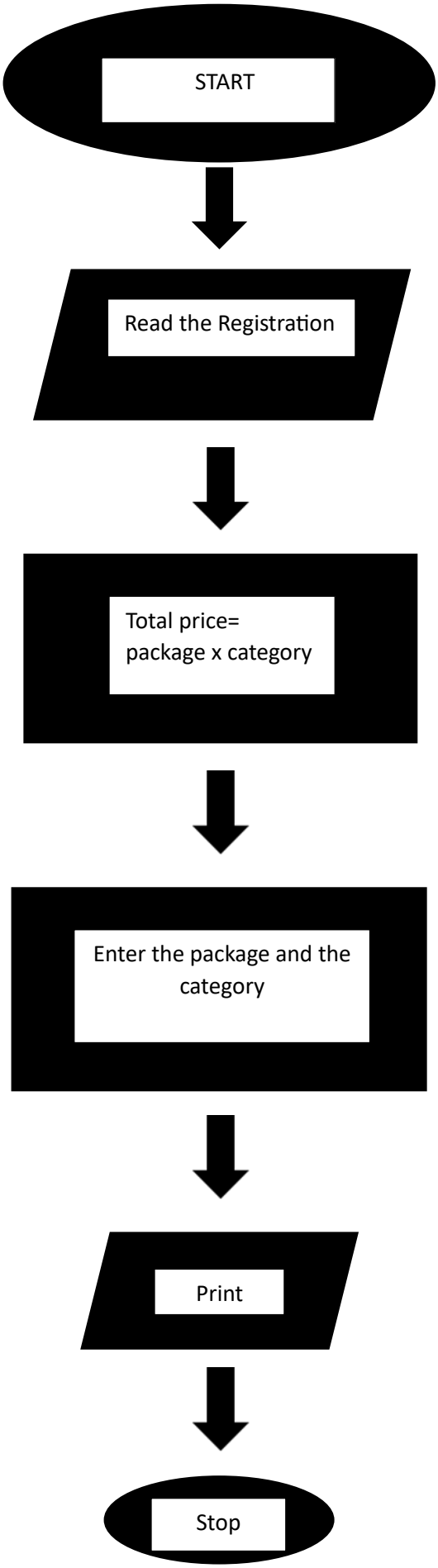


Snapshot of Database (PHP ADMIN):





Flowchart:


START
Read the Registration
Total price=
package x category
Enter the package and the category
Print
Stop