

*PYTHON PROJECT*

*BLOCK 2*

GLODI KALOMBO

D1LXT16D9

ITAPAI

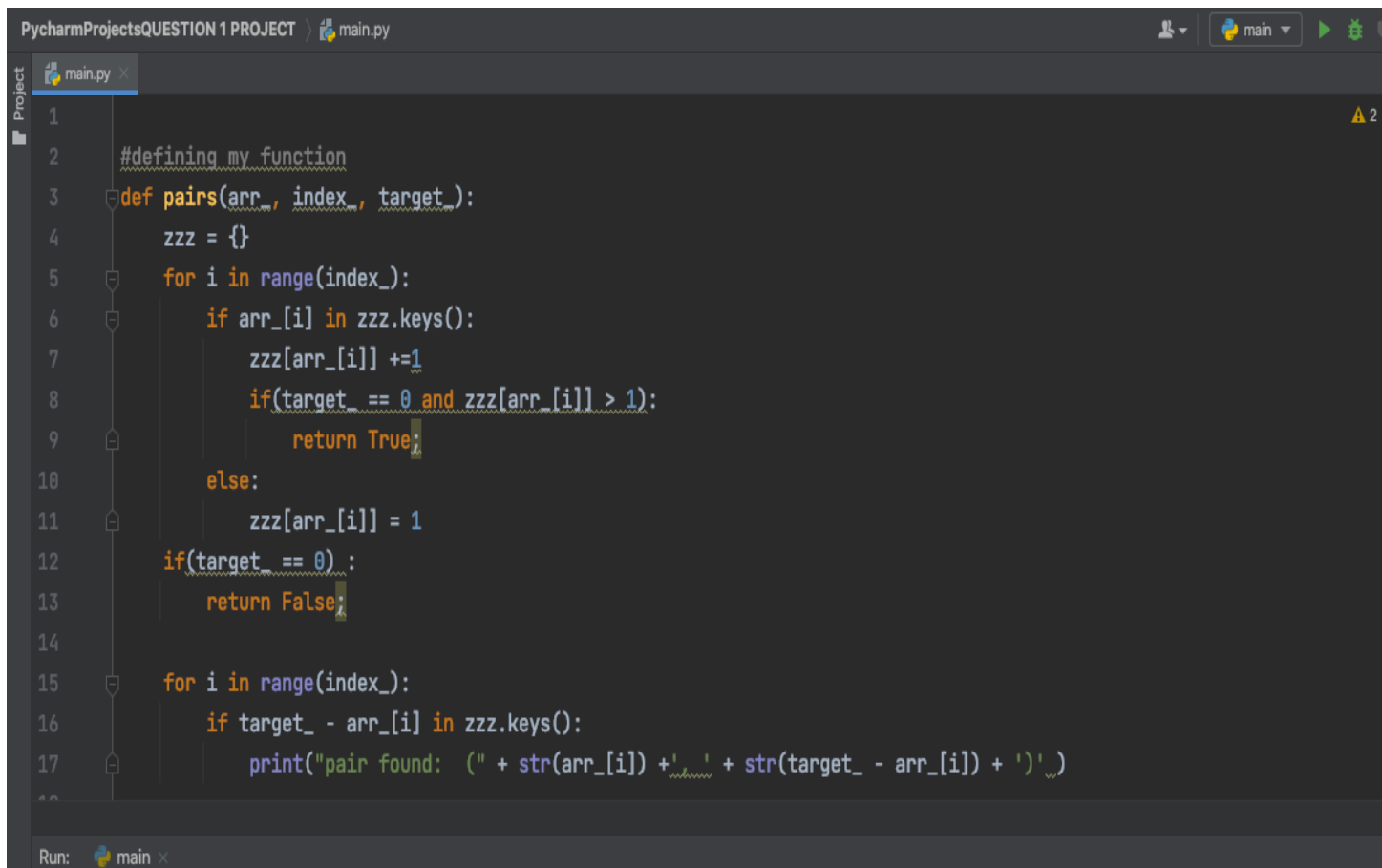
TYGER VALLEY CAMPUS

EDUVOS

## QUESTION 1.

“THIS PROJECT WILL CONSIST OF SCREENSHOT ONLY”

### Code

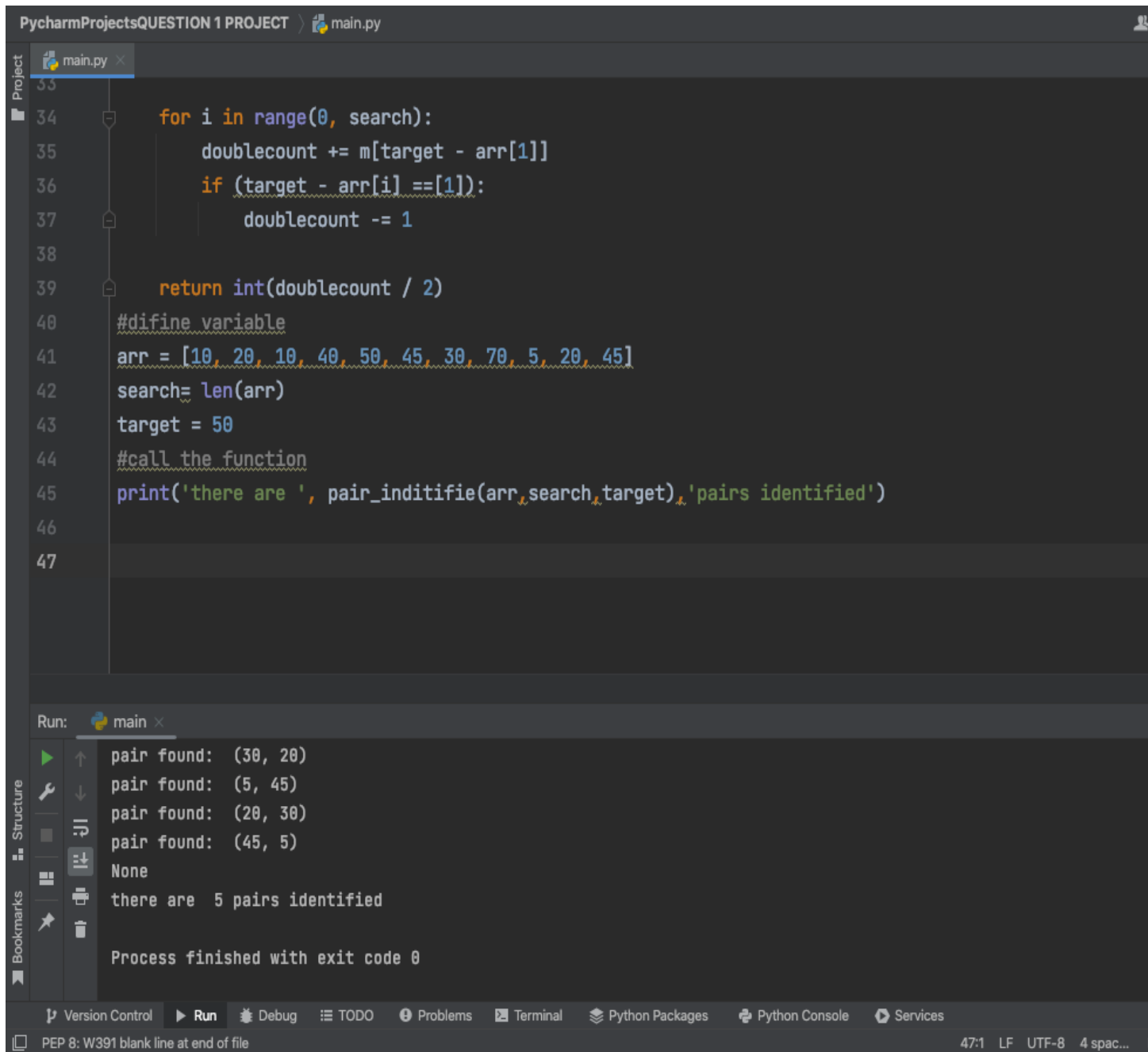


```
PycharmProjectsQUESTION 1 PROJECT > main.py
main.py x
1
2 #defining my function
3 def pairs(arr_, index_, target_):
4     zzz = {}
5     for i in range(index_):
6         if arr_[i] in zzz.keys():
7             zzz[arr_[i]] += 1
8             if(target_ == 0 and zzz[arr_[i]] > 1):
9                 return True
10        else:
11            zzz[arr_[i]] = 1
12    if(target_ == 0):
13        return False
14
15    for i in range(index_):
16        if target_ - arr_[i] in zzz.keys():
17            print("pair found: (" + str(arr_[i]) + ' ' + str(target_ - arr_[i]) + ')')
```

Run: main x

```
PycharmProjectsQUESTION 1 PROJECT > main.py
main.py x
19
20 #DEFINING VARIABLES
21
22 arr_ = [10,20,10,40,50,45,30,70,5,20,45]
23 index_ = len(arr_)
24 target_ = 50
25 print(pairs(arr_, index_, target_))
26 #define the funtion
27 def pair_inditifie(arr, search, target):
28     m = [0] * 1000
29     for i in range(0, search):
30         m[arr[i]] +=1
31
32     doublecount = 0
33
34     for i in range(0, search):
35         doublecount += m[target - arr[i]]
36         if (target - arr[i] == [1]):
```

OUTPUT : at the bottom of the pic



The screenshot shows the PyCharm IDE interface. The top toolbar includes icons for Version Control, Run, Debug, TODO, Problems, Terminal, Python Packages, Python Console, and Services. The main editor window displays a Python script in a file named `main.py`. The script defines a function `pair_inditifie` that takes an array, a search value, and a target value. It iterates through the array, finding pairs that sum to the target. The script then calls this function with the array `[10, 20, 10, 40, 50, 45, 30, 70, 5, 20, 45]`, a search value of `50`, and a target of `50`. The output of the script is displayed in the Run console at the bottom, showing five pairs found: `(30, 20)`, `(5, 45)`, `(20, 30)`, `(45, 5)`, and `None`. The console also shows the message `there are 5 pairs identified` and `Process finished with exit code 0`.

```
PyCharmProjectsQUESTION 1 PROJECT > main.py

main.py x
33
34     for i in range(0, search):
35         doublecount += m[target - arr[i]]
36         if (target - arr[i] == arr[i]):
37             doublecount -= 1
38
39     return int(doublecount / 2)
40     #define variable
41     arr = [10, 20, 10, 40, 50, 45, 30, 70, 5, 20, 45]
42     search = len(arr)
43     target = 50
44     #call the function
45     print('there are ', pair_inditifie(arr, search, target), 'pairs identified')
46
47

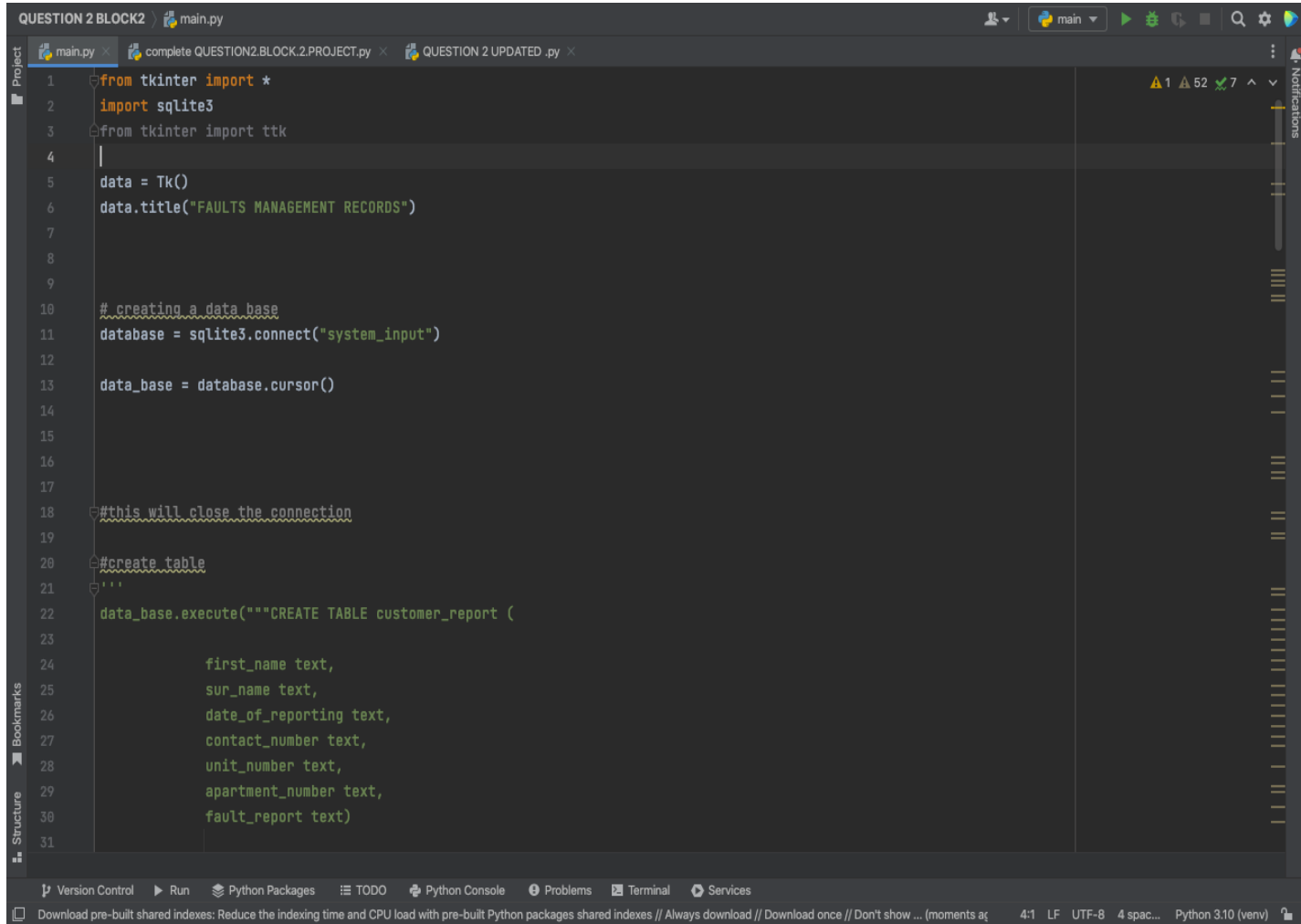
Run: main x
pair found: (30, 20)
pair found: (5, 45)
pair found: (20, 30)
pair found: (45, 5)
None
there are 5 pairs identified

Process finished with exit code 0

Version Control Run Debug TODO Problems Terminal Python Packages Python Console Services
PEP 8: W391 blank line at end of file 47:1 LF UTF-8 4 spac...
```

## QUESTION 2

### CODE:



```
1  from tkinter import *
2  import sqlite3
3  from tkinter import ttk
4
5  data = Tk()
6  data.title("FAULTS MANAGEMENT RECORDS")
7
8
9
10 #_creating_a_data_base
11 database = sqlite3.connect("system_input")
12
13 data_base = database.cursor()
14
15
16
17
18 #this will close the connection
19
20 #create table
21 '''
22 data_base.execute("""CREATE TABLE customer_report (
23
24     first_name text,
25     sur_name text,
26     date_of_reporting text,
27     contact_number text,
28     unit_number text,
29     apartment_number text,
30     fault_report text)
31
```

QUESTION 2 BLOCK2 main.py

main.py complete QUESTION2.BLOCK.2.PROJECT.py QUESTION 2 UPDATED .py

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Version Control Run Python Packages TODO Python Console Problems Terminal Services

Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download // Download once // Don't show ... (moments ago) 4:1 LF UTF-8 4 spac... Python 3.10 (venv)

QUESTION 2 BLOCK2main.py

main.pycomplete QUESTION2.BLOCK.2.PROJECT.pyQUESTION 2 UPDATED .py

Project

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```
'''  
#creating the function to submit info in the text box  
def submit():  
    database = sqlite3.connect("system_input")  
    data_base = database.cursor()  
  
    #to insert info into the database  
    data_base.execute("INSERT INTO customer_report VALUES (:firstname, :surname, :report_date, :contact, :unit, :apartment_name, :fault_report)",  
        {  
            'firstname': firstname.get(),  
            'surname': surname.get(),  
            'report_date': report_date.get(),  
            'contact': contact.get(),  
            'unit': unit.get(),  
            'apartment_name': apartment_name.get(),  
            'fault_report': fault_report.get()  
        })  
  
    #this will commit the changes  
    database.commit()  
    #this will close the connection to the database  
    database.close()  
  
data_base.execute('DELETE FROM customer_report WHERE first_name = "qlodi" ')
```

1 52 7

Bookmarks

Structure

Version Control

Run

Python Packages

TODO

Python Console

Problems

Terminal

Services

Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download // Download once // Don't show a... (a minute a... 4:1 LF UTF-8 4 spac... Python 3.10 (venv)

QUESTION 2 BLOCK2main.py

main.pycomplete QUESTION2.BLOCK.2.PROJECT.pyQUESTION 2 UPDATED .py

Project

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```
#this function is to clear the table in case of any error
def clear():
    firstname.delete(0, END)
    surname.delete(0, END)
    report_date.delete(0, END)
    contact.delete(0, END)
    unit.delete(0, END)
    apartment_name.delete(0, END)
    fault_report.delete(0, END)
#this function once called will display the record saved in the database
def display():
    database = sqlite3.connect("system_input")
    data_base = database.cursor()
    data_base.execute("SELECT * FROM customer_report")
    c = data_base.fetchall()
    infos = ''
    for info in c:
        infos += str(info)+"\n\n"

    headin_label=Label(data, text=' NAME SURNAME REPORT DATE CONTACT UNIT APARTMENT FAULTS ',background='gold',padx=4)
    headin_label.grid(row=9, column=0,columnspan=5, sticky='ew')

    displa_label =Label(data,text=infos,background='light blue')
    displa_label.grid(row=10, column=1,columnspan=2,sticky=E)

    # this will commit the changes
    database.commit()

    # this will close the connection to the database
```

Structure

Bookmarks

Version Control

Run

Python Packages

TODO

Python Console

Problems

Terminal

Services

PEP 8: E265 block comment should start with '#72:16 LF UTF-8 4 spac... Python

```
97
98  #this will prompt the creation of the data base
99  database.commit()
100  #creating entry boxes on graphic interphase
101  firstname = Entry(data, width=30)
102  firstname.grid(row=0, column=1)
103  surname = Entry(data, width=30)
104  surname.grid(row=1, column=1)
105  report_date = Entry(data, width=30)
106  report_date.grid(row=2, column=1)
107  contact = Entry(data, width=30)
108  contact.grid(row=3, column=1)
109  unit = Entry(data, width=30)
110  unit.grid(row=4, column=1)
111  apartment_name = Entry(data, width=30)
112  apartment_name.grid(row=5, column=1)
113  fault_report = Entry(data, width=30)
114  fault_report.grid(row=6, column=1)
115
116
117  #creating box labels
118  firstname_label = Label(data, text='First name :')
119  firstname_label.grid(row=0, column=0)
120  surname_label = Label(data, text='Last name :')
121  surname_label.grid(row=1, column=0)
122  report_date_label = Label(data, text='Report Date :')
123  report_date_label.grid(row=2, column=0)
124  contact_label = Label(data, text='Contact Number :')
125  contact_label.grid(row=3, column=0)
126  unit_label = Label(data, text='Unit :')
127  unit_label.grid(row=4, column=0)
```



QUESTION 2 BLOCK2main.py

main.pycomplete QUESTION2.BLOCK.2.PROJECT.pyQUESTION 2 UPDATED .py

Project

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firstname\_label.grid(row=0,column=0)  
surname\_label = Label(data, text='Last name :')  
surname\_label.grid(row=1,column=0)  
report\_date\_label = Label(data, text='Report Date :')  
report\_date\_label.grid(row=2,column=0)  
contact\_label = Label(data, text='Contact Number :')  
contact\_label.grid(row=3,column=0)  
unit\_label = Label(data, text='Unit :')  
unit\_label.grid(row=4,column=0)  
apartment\_name\_label = Label(data, text='Apartment :')  
apartment\_name\_label.grid(row=5,column=0)  
fault\_report\_label = Label(data, text='Fault :')  
fault\_report\_label.grid(row=6, column=0)  
  
##CREATING A SUBMIT BUTTON  
submit\_buttt = Button(data, text='SUBMIT', fg='black', bg='gold', command=submit)  
submit\_buttt.grid(row=7, column=0, columnspan=2, padx=5, pady=5, ipadx=10)  
  
#creating a clear button  
clear\_buttt = Button(data, text='CLEAR', fg='black',bg='gold', command=clear)  
clear\_buttt.grid(row=7, column=1, columnspan=2, padx=1, pady=5)  
  
#creating a display button  
display\_buttt = Button(data, text='DISPLAY RECORDS', bg='gold', fg='black', command=display)  
display\_buttt.grid(row=8, column=0, columnspan=2, pady=15, padx=15, ipadx=150)  
data.mainloop()

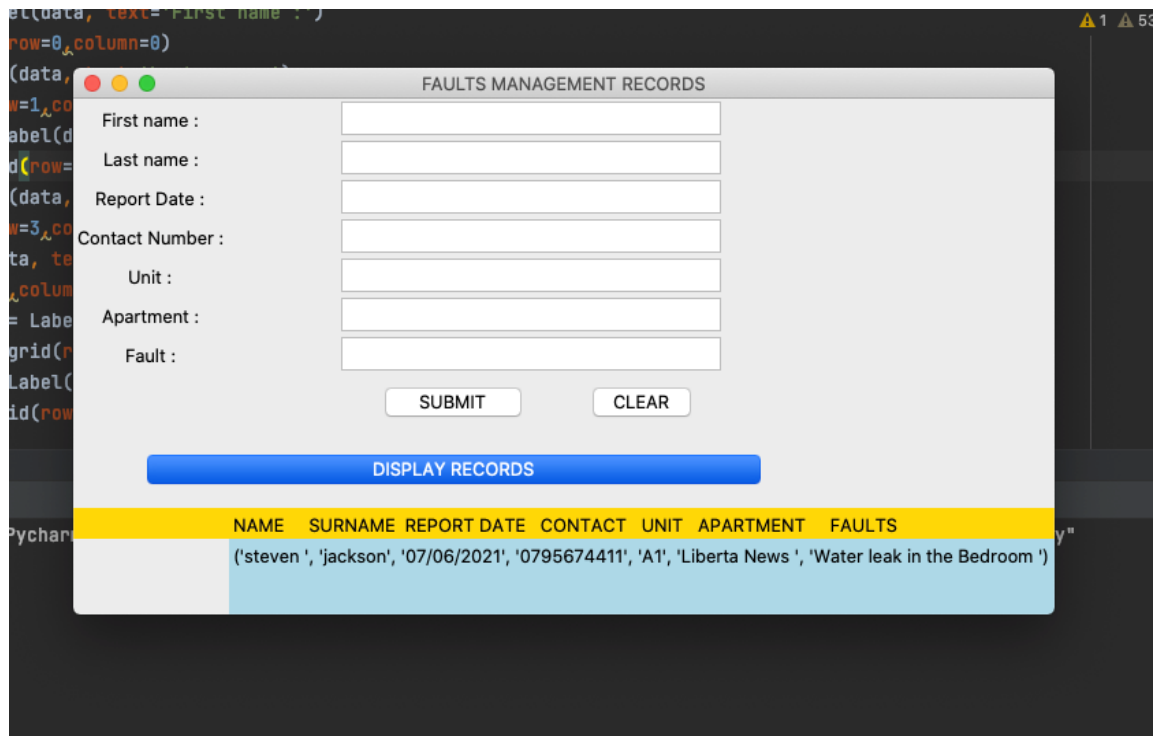
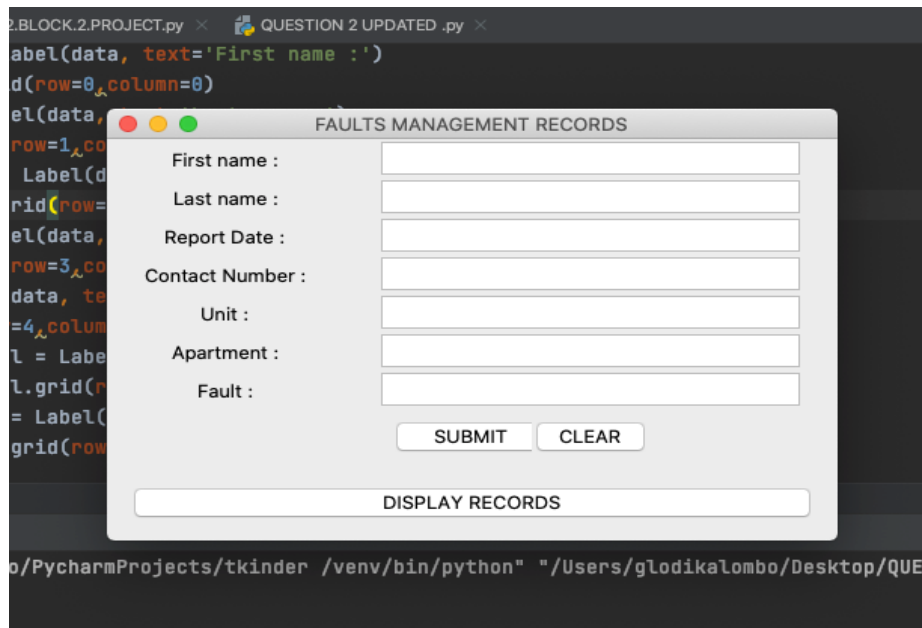
Bookmarks

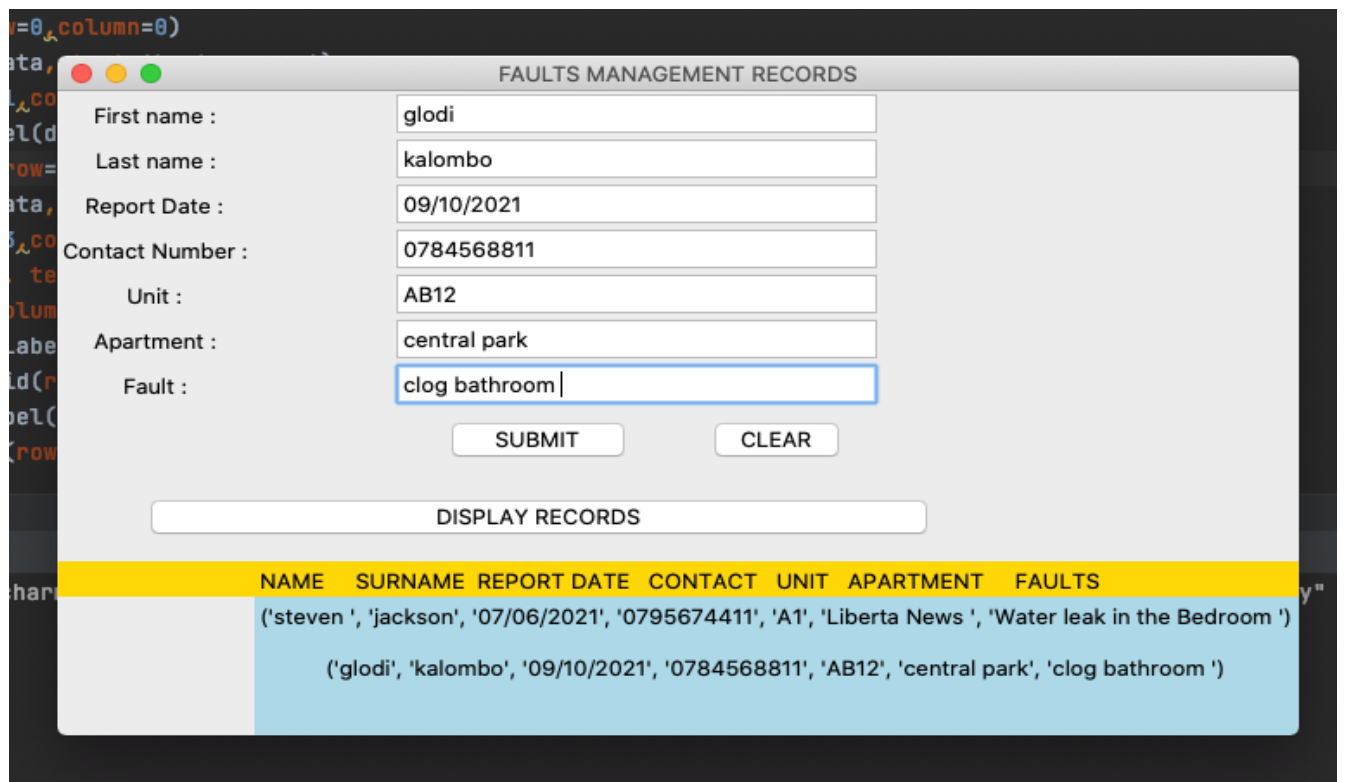
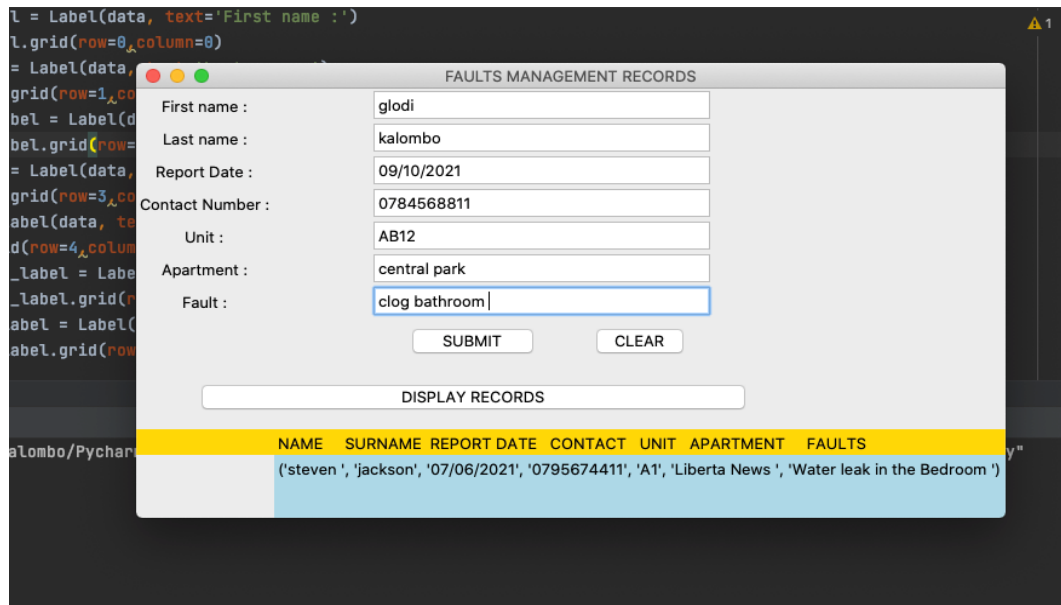
Structure

Version ControlRunPython PackagesTODOPython ConsoleProblemsTerminalServices

Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download // Download once // Don't s... (3 minutes ago)100:44LFUTF-84

OUTPUT :





### QUESTION 3

CODE:

GL0DI\_QUESTION3main.py

main.pyCOMPLETED\_QUESTION 3.py.py

12345678910111213141516171819202122232425262728293031

```
from tkinter import *
from tkinter import ttk
import mysql.connector
from mysql.connector import cursor

#connecting to my database workbench
database = mysql.connector.connect(
    host="localhost",
    user="root",
    password="glodi2001",
    database="employee_info"
)

root = Tk()
#title of the app
root.title("CONTACT MANAGEMENT SYSTEM")
#the dimension of the app
root.wm_geometry("950x500")
#the background of the app
root.configure(background="light blue")

mycursor = database.cursor()
data=('''CREATE TABLE IF NOT EXISTS contact_management(firstname VARCHAR(70),lastname VARCHAR(70), gender VARCHAR(10), age INT(5), address VARCHAR(200))''')
mycursor.execute(data)

database.commit()

def submit():
    val1 = firstname.get()
    val2 = lastname.get()

submit()
```

1814218

Project

Bookmarks

Structure

Version Control

Run

Python Packages

TODO

Python Console

Problems

Terminal

Services

Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download // Download ... (moments ag

33:21LFUTF-84 spac...Python 3.10 (GL0DI\_QUESTION3)

19  
20  
21  
22  
23  
24 `tact_management(firstname VARCHAR(70), lastname VARCHAR(70), gender VARCHAR(10), age INT(5), address VARCHAR(70), contactNumber VARCHAR(11))`  
25  
26  
27  
28  
29  
30

GL0DI\_QUESTION3 main.py

main.py x COMPLETED\_QUESTION 3.py x .py x

22  
23 `mycursor = database.cursor()`  
24 `data= ('CREATE TABLE IF NOT EXISTS contact_management(firstname VARCHAR(70), lastname VARCHAR(70), gender VARCHAR(10), age INT(5), address VARCHAR(70), contactNumber VARCHAR(11))`  
25 `mycursor.execute(data)`  
26  
27 `database.commit()`  
28  
29 `def submit():`  
30  `val1 = firstname.get()`  
31  `val2 = lastname.get()`  
32  `val3 = gender.get()`  
33  `val4 = age.get()`  
34  `val5 = address.get()`  
35  `val6 = contactnumber.get()`  
36  
37  
38 `#this will input data in the database when the user press submit`  
39  `insertion = """INSERT INTO contact_management(firstname, lastname, gender, age, address, contactnumber) VALUES (%s, %s, %s, %s, %s, %s)"""`  
40  `result = (val1, val2, val3, val4, val5, val6)`  
41  `mycursor.execute(insertion, result)`  
42  
43 `#this will make changes to my database`  
44  `database.commit()`  
45 `#this will clear the entry once the record has been submitted`  
46  `firstname.delete(0, END)`  
47  `lastname.delete(0, END)`  
48  `gender.delete(0, END)`  
49  `age.delete(0, END)`  
50  `address.delete(0, END)`  
51  `contactnumber.delete(0, END)`  
52

Version Control Run Python Packages TODO Python Console Problems Terminal Services

Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download // Download ... (2 minutes ag 261:1 LF UTF-8 4 spac... Python 3.10 (GL0DI\_QUESTION3)

The screenshot displays the PyCharm IDE interface with a project named 'GLADI\_QUESTION3'. The main editor window shows a Python file named 'main.py' with the following code:

```
45 #this will clear the entry once the record has been submitted
46 firstname.delete(0, END)
47 lastname.delete(0, END)
48 gender.delete(0, END)
49 age.delete(0, END)
50 address.delete(0, END)
51 contactnumber.delete(0, END)
52
53 #this function is attached to a delete function that delete based on user input
54 def delete():
55     mycursor = database.cursor()
56     #this will delete record from the table
57     mycursor.execute("DELETE FROM contact_management WHERE contactNumber = " + delete_box.get())
58
59     delete_box.delete(0, END)
60     database.commit()
61
62
63
64
65
66 def updatebutton():
67     mycursor = database.cursor()
68     update_id = delete_box.get()
69
70     mycursor.execute("""UPDATE contact_management SET
71
72         firstname = firstname,
73         lastname = lastname,
74         gender = gender,
75         age = age,
```

The interface includes a sidebar on the left with 'Project', 'Structure', and 'Bookmarks' views. The bottom status bar shows 'PEP 8: E265 block comment should start with '#', '53:82 LF UTF-8 4 spac...', and a 'Services' button.

GLADI\_QUESTION3 > main.py

main.py x COMPLETED .QUESTION 3.py x .py x

Project

64  
65  
66 `def updatebutton():`  
67  `mycursor = database.cursor()`  
68  `update_id = delete_box.get()`  
69  
70  `mycursor.execute("""UPDATE contact_management SET`  
71  
72  `firstname = firstname,`  
73  `lastname = lastname,`  
74  `gender = gender,`  
75  `age = age,`  
76  `address = address,`  
77  `contactNumber = contactNumber`  
78  `WHERE contactNumber = contactNumber`  
79  `""")`  
80  
81  `'firstname': firstname_update.get(),`  
82  `'lastname': lastname_update.get(),`  
83  `'gender': gender_update.get(),`  
84  `'age': age_update.get(),`  
85  `'address': address_update.get(),`  
86  `'contactNumber': contactnumber_update.get(),`  
87  `'contactNumber': update_id`  
88  `})`  
89  
90  
91  
92  `database.commit()`  
93  
94

Bookmarks

Structure

Version Control Run Python Packages TODO Python Console Problems Terminal Services

PEP 8: E265 block comment should start with '#'

GL0DI\_QUESTION3 > main.py

Project

main.py x COMPLETED\_QUESTION 3.py x .py x

91  
92 database.commit()  
93  
94  
95 def update():  
96 update= Tk()  
97 update.title("UPDATE RECORD")  
98 # the dimension of the app  
99 update.geometry("400x230")  
100 # the background of the app  
101 update.configure(background="light blue")  
102  
103 update\_id = select\_box.get()  
104  
105  
106  
107 retrieve = "SELECT \* FROM contact\_management WHERE contactNumber= " + update\_id  
108 mycursor.execute(retrieve)  
109 fetch = mycursor.fetchall()  
110 global firstname\_update  
111 global lastname\_update  
112 global gender\_update  
113 global age\_update  
114 global address\_update  
115 global contactnumber\_update  
116 firstname\_update = Entry(update, width='20')  
117 firstname\_update.grid(row=2, column=1, sticky=E)  
118 lastname\_update = Entry(update, width='20')  
119 lastname\_update.grid(row=3, column=1, sticky=E)  
120 gender\_update = Entry(update, width='20')  
121 gender\_update.grid(row=4, column=1, sticky=E)  
update()

Bookmarks

Structure

Version Control Run Python Packages TODO Python Console Problems Terminal Services

Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download // Download ... (5 minutes ag 106:1 LF



GL0DI\_QUESTION3 > main.py

main.py x

COMPLETED\_QUESTION 3.py x

.py x

Project

main.py

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update()

Bookmarks

Structure

```
global age_update
global address_update
global contactnumber_update
firstname_update = Entry(update, width='20')
firstname_update.grid(row=2, column=1, sticky=E)
lastname_update = Entry(update, width='20')
lastname_update.grid(row=3, column=1, sticky=E)
gender_update = Entry(update, width='20')
gender_update.grid(row=4, column=1, sticky=E)
age_update = Entry(update, width='20')
age_update.grid(row=5, column=1, sticky=E)
address_update = Entry(update, width='20')
address_update.grid(row=6, column=1, sticky=E)
contactnumber_update = Entry(update, width='20')
contactnumber_update.grid(row=7, column=1, sticky=E)
#this will open in a new windows which will allow me to update my records
firstname_label_update = Label(update, text="First Name", width='19')
firstname_label_update.grid(row=2, column=0, sticky=W)
lastname_label_update = Label(update, text="Last Name", width='19')
lastname_label_update.grid(row=3, column=0, sticky=W)
gender_label_update = Label(update, text="Gender", width='19')
gender_label_update.grid(row=4, column=0, sticky=W)
age_label_update = Label(update, text="Age", width='19')
age_label_update.grid(row=5, column=0, sticky=W)
address_label_update = Label(update, text="Address", width='19')
address_label_update.grid(row=6, column=0, sticky=W)
contactnumber_update_label = Label(update, text="Contact Number", width='19')
contactnumber_update_label.grid(row=7, column=0, sticky=W)
subbutt = Button(update, text='SAVE', fg='dark green', bg='gold', borderwidth=0, width='20', command=updatebutton)
subbutt.grid(row=10, column=0, columnspan=3, padx=60, sticky=W, )
for z in fetch:
```

Version Control

Run

Python Packages

TODOTODO

Python Console

Problems

Terminal

Services

Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download // Download ... (5 minutes ago)

106:1

LF

UTF-8

4 spac...

Python 3.10

GL0DI\_QUESTION3main.py

main.pyCOMPLETED\_QUESTION 3.py.py

Project

142subbutt.grid(row=18, column=0, colspan=3, padx=60, sticky=W, )

143for z in fetch:

144    firstname\_update.insert(0, z[0])

145    lastname\_update.insert(0, z[1])

146    gender\_update.insert(0, z[2])

147    age\_update.insert(0, z[3])

148    address\_update.insert(0, z[4])

149    contactnumber\_update.insert(0, z[5])

150

151return

152

153def display():

154    retrieve = """SELECT \* FROM contact\_management LIMIT 0,10"""

155    mycursor.execute(retrieve)

156    fetch = mycursor.fetchall()

157    resultss=''

158    for z in fetch:

159        resultss += str(z[0])+" "+str(z[1]) +" "+str(z[2]) +" "+str(z[3]) +" "+str(z[4])+" \t "+str(z[5])+"\n"

160        print(resultss)

161

162    show\_label= Label(root, text=resultss,width=50,background="gold")

163    show\_label.grid(row=17,column=0,colspan=2,pady=60,sticky=NE)

164

165

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170    # THIS function will clear all the Entry boxes

171def clear():

172    firstname.delete(0,END)

update()

Bookmarks

Structure

Version ControlRunPython PackagesTODOPython ConsoleProblemsTerminalServices

Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download // Download ... (5 minutes ag106:1 LF UTF-8 4 spac... Python 3.10 (GL0DI

Project

main.py

COMPLETED QUESTION 3.py

.py

```
168
169
170 # THIS function will clear all the Entry boxes
171 def clear():
172     firstname.delete(0,END)
173     lastname.delete(0,END)
174     gender.delete(0,END)
175     age.delete(0,END)
176     address.delete(0,END)
177     contactnumber.delete(0,END)
178     delete_box.delete(0, END)
179     select_box.delete(0, END)
180
181
182
183
184 LIST_LABEL = Label(root, text="ENTER YOUR DETAILS", width='40')
185 LIST_LABEL.grid(row=1, column=0, sticky=NW)
186
187 firstname = Entry(root, width='20')
188 firstname.grid(row=2, column=0, sticky=E)
189 lastname = Entry(root, width='20')
190 lastname.grid(row=3, column=0, sticky=E)
191 gender = Entry(root, width='20')
192 gender.grid(row=4, column=0, sticky=E)
193 age = Entry(root, width='20')
194 age.grid(row=5, column=0, sticky=E)
195 address = Entry(root, width='20')
196 address.grid(row=6, column=0, sticky=E)
197 contactnumber = Entry(root, width='20')
198 contactnumber.grid(row=7, column=0, sticky=E)
    update()
```

Bookmarks

Structure

Project

main.py x COMPLETED\_QUESTION 3.py x .py x

```

185 LIST_LABEL.grid(row=1,column=0, sticky=NW)
186
187 firstname = Entry(root, width='20')
188 firstname.grid(row=2,column=0, sticky=E)
189 lastname = Entry(root, width='20')
190 lastname.grid(row=3,column=0, sticky=E)
191 gender = Entry(root, width='20')
192 gender.grid(row=4,column=0,sticky=E)
193 age = Entry(root, width='20')
194 age.grid(row=5,column=0, sticky=E)
195 address = Entry(root, width='20')
196 address.grid(row=6,column=0, sticky=E)
197 contactnumber = Entry(root, width='20')
198 contactnumber.grid(row=7,column=0, sticky=E)
199 free_space=Label(root,text="",width=10,background="light blue")
200 free_space.grid(row=1,column=3)
201
202 delete_box = Entry(root, width="40")
203 delete_box.grid(row=2,column=4,sticky=W)
204 delete_label = Label(root,text="Enter Contact Number of Record You Wish To Delete ",width=40,background='gold')
205 delete_label.grid(row=1,column=4)
206
207 select_label = Label(root,text="Type The Contact Number Of Record You Wish To Edit ",width=40,background='gold')
208 select_label.grid(row=5,column=4)
209 select_box = Entry(root, width="40")
210 select_box.grid(row=6,column=4,sticky=W)
211
212
213 firstname_label = Label(root, text="First Name", width='19')
214 firstname_label.grid(row=2,column=0, sticky=W)
215 lastname_label = Label(root, text="Last Name", width='19')
    update()

```

Structure

Bookmarks

GL0DI\_QUESTION3

main.py

main.py

COMPLETED\_QUESTION 3.py

py

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delete\_label.grid(row=1,column=4)

select\_label = Label(root,text="Type The Contact Number Of Record You Wish To Edit ",width=40,background='gold')

select\_label.grid(row=5,column=4)

select\_box = Entry(root, width="40")

select\_box.grid(row=6,column=4,sticky=W)

firstname\_label = Label(root, text="First Name", width='19')

firstname\_label.grid(row=2,column=0, sticky=W)

lastname\_label = Label(root, text="Last Name", width='19')

lastname\_label.grid(row=3,column=0, sticky=W)

gender\_label = Label(root, text="Gender", width='19')

gender\_label.grid(row=4,column=0, sticky=W)

age\_label = Label(root, text="Age", width='19')

age\_label.grid(row=5,column=0, sticky=W)

address\_label = Label(root, text="Address", width='19')

address\_label.grid(row=6,column=0, sticky=W)

contactnumber\_label = Label(root, text="Contact Number", width='19')

contactnumber\_label.grid(row=7,column=0, sticky=W)

#this button will call upon the submit function to execute the saving of info in the database

subbutt = Button(root, text='SAVE',fg='dark green',bg='gold',borderwidth=0, width='20',command=submit)

subbutt.grid(row=10, column=0,columnspan=3,padx=60, sticky=W,)

line\_label= Label(root, text='=====',fg='grey',bg='light blue',width='40')

line\_label.grid(row=9,column=0,)

line\_label= Label(root, text='=====',fg='grey',bg='light blue',width='40')

line\_label.grid(row=11,column=0,)

Version Control

Run

Python Packages

TODO

Python Console

Problems

Terminal

Services

Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download // Downlo... (6 minutes ag

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Python 3.10 (GL0DI\_QUESTION3)

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```
line_label= Label(root, text='=====',fg='grey',bg='light blue',width='40')
line_label.grid(row=9,column=0,)

line_label= Label(root, text='=====',fg='grey',bg='light blue',width='40')
line_label.grid(row=11,column=0,)

clearbutt = Button(root, text='CLEAR',fg='dark green',background='black',borderwidth=0, width='20',command=clear)
clearbutt.grid(row=12, column=4,padx=60, sticky=W)

displaybutt = Button(root, text='DISPLAY SAVED RECORDS',fg='dark green',background='black',borderwidth=0, width='20',command=display)
displaybutt.grid(row=10, column=4, columnspan=3,padx=60, sticky=W,)

updatebutt = Button(root, text='UPDATE RECORDS',fg='dark green',background='black',borderwidth=0, width='20',command=update)
updatebutt.grid(row=7, column=4, columnspan=3,padx=60, sticky=W,)

deletebutt = Button(root, text='DELETE RECORD',fg='red',background='black',borderwidth=0, width='20', command=delete)
deletebutt.grid(row=3, column=4, columnspan=3,padx=60, sticky=W,)
```

Structure

Bookmarks

Version Control

Run

Python Packages

TODO

Python Console

Problems

Terminal

Services

Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download // Downlo... (6 minutes ag

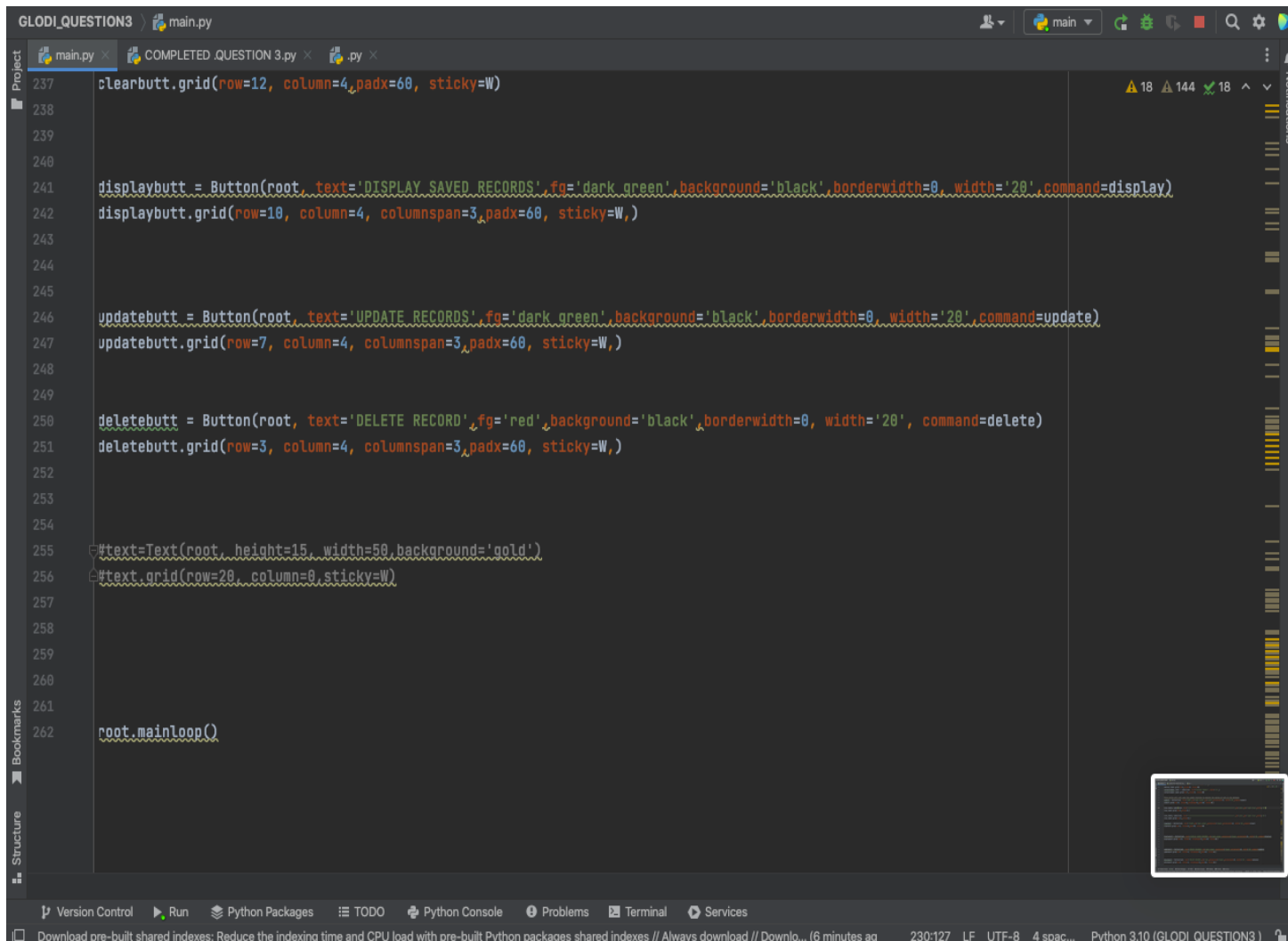
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Python 3.10 (GLODI\_QUE



### OUTPUT : QUESTION 3

CONTACT MANAGEMENT SYSTEM

ENTER YOUR DETAILS

First Name

Last Name

Gender

Age

Address

Contact Number

SAVE

Enter Contact Number of Record You Wish To Delete

DELETE RECORD

Type The Contact Number Of Record You Wish To Edit

UPDATE RECORDS

DISPLAY SAVED RECORDS

CLEAR

CONTACT MANAGEMENT SYSTEM

ENTER YOUR DETAILS

First Name Steven

Last Name lububu

Gender Male

Age 31

Address 27B village walk

Contact Number 0763456611

SAVE

Enter Contact Number of Record You Wish To Delete

DELETE RECORD

Type The Contact Number Of Record You Wish To Edit

UPDATE RECORDS

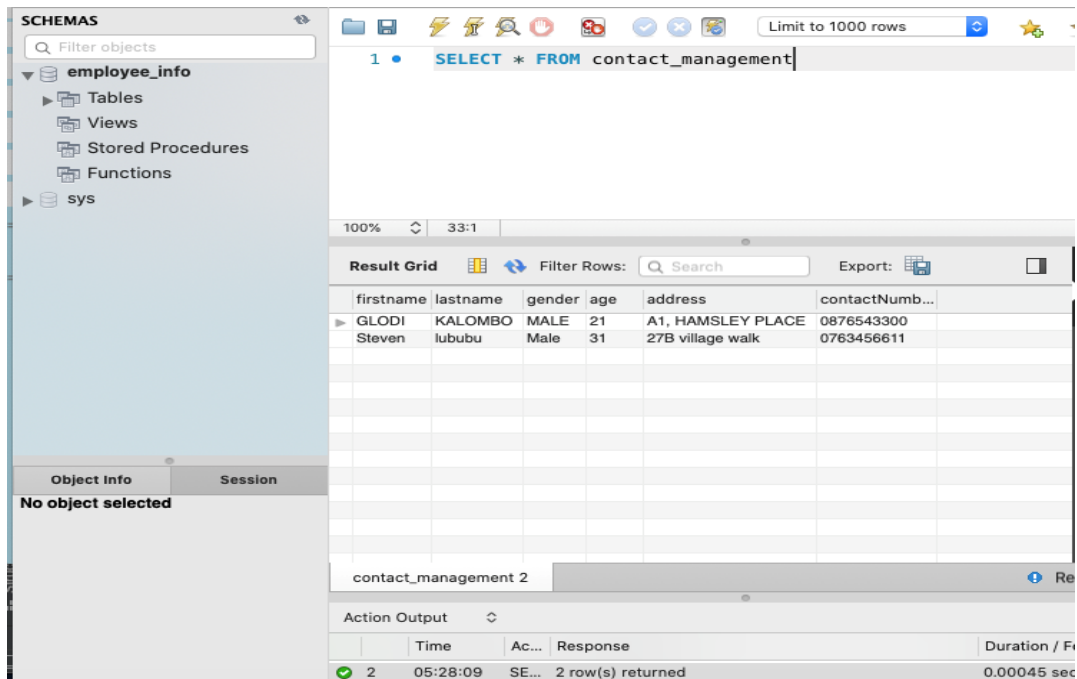
DISPLAY SAVED RECORDS

CLEAR

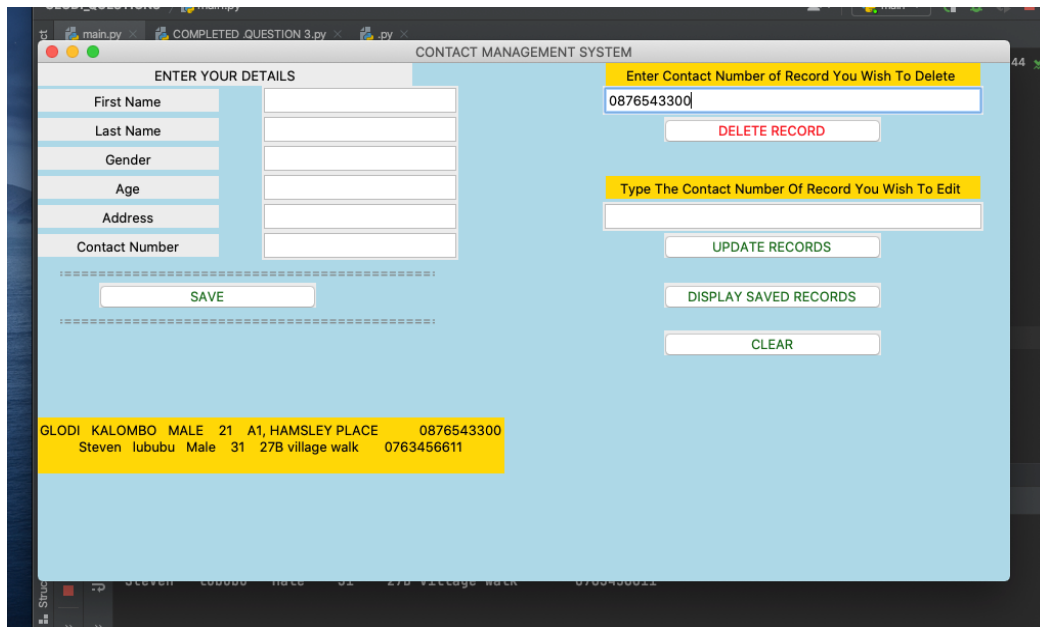
Inputting data in the screenshot above



The inputted data displays in the database MySQL



Clicked display which displays the information from the database at bottom left of the gui



Entering. Contact number. Of the record Glodi on the delete box. To delete it by pressing delete

Now only steven record remains, Goldi's record been deleted has displayed

CONTACT MANAGEMENT SYSTEM

ENTER YOUR DETAILS

First Name  
Last Name  
Gender  
Age  
Address  
Contact Number

SAVE

Enter Contact Number of Record You Wish To Delete

DELETE RECORD

Type The Contact Number Of Record You Wish To Edit

UPDATE RECORDS

DISPLAY SAVED RECORDS

CLEAR

Steven lububu Male 31 27B village walk 0763456611

Now only. The steven record remains in the database mysql

Limit to 1000 rows

1 • SELECT \* FROM contact\_management

100% 33:1

Result Grid

Filter Rows: Search Export:

firstname	lastname	gender	age	address	contactNumb...
Steven	lububu	Male	31	27B village walk	0763456611

Result Grid

Form Editor

Updating the record of steven by entering. The contact number in the update entry

The screenshot shows a window titled "CONTACT MANAGEMENT SYSTEM". On the left, there is a form titled "ENTER YOUR DETAILS" with fields for First Name, Last Name, Gender, Age, Address, and Contact Number. Below these fields is a "SAVE" button. On the right, there are two sections: "Enter Contact Number of Record You Wish To Delete" with a "DELETE RECORD" button, and "Type The Contact Number Of Record You Wish To Edit" with a text input field containing "0763456611" and an "UPDATE RECORDS" button. Below the update section are "DISPLAY SAVED RECORDS" and "CLEAR" buttons. At the bottom, a yellow bar displays the record: "Steven lububu Male 31 27B village walk 0763456611".

By clicking update once the number been entered. A new window will pop up with info Of the record you have selected, edit and submit

This screenshot shows the same "CONTACT MANAGEMENT SYSTEM" window as before, but with an "UPDATE RECORD" dialog box open in the center. The dialog box contains the details of the selected record: First Name (Steven), Last Name (lububu), Gender (Male), Age (31), Address (27B village walk), and Contact Number (0763456611). There is a "SAVE" button at the bottom of the dialog. The background window remains the same, with the "UPDATE RECORDS" button still visible and the record list at the bottom showing "Steven lububu Male 31 27B village walk 0763456611".

