

IT314: Software Engineering

Course Project Lab 5



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ID: 202001162

Static analysis tool used:

Pylint

GitHub Repo link: <https://github.com/UltiRequiem/python-projects-for-intermediates>

1. File:

<https://github.com/UltiRequiem/python-projects-for-intermediates/blob/main/mp3-player-gui/main.py>

Python Code:

```
:
import tkinter
from mutagen.easyid3 import EasyID3
import pygame
from tkinter.filedialog import askopenfilenames

class FrameApp(tkinter.Frame):
    def __init__(self, master):
        super(FrameApp, self).__init__(master)

        self.grid()
        self.paused = False
        self.playlist = list()
        self.actual_song = 0

        self.b1 = tkinter.Button(
            self,
            text="PLAY SONG",
            command=self.play_music,
            bg="AntiqueWhite1",
            width=40,
        )
        self.b1.grid(row=2, column=0)

        self.b2 = tkinter.Button(
            self,
            text="PREVIOUS SONG",
            command=self.previous_song,
            bg="AntiqueWhite1",
            width=40,
        )
        self.b2.grid(row=4, column=0)

        self.b3 = tkinter.Button(
            self,
            text="PAUSE/UNPAUSE",
            command=self.toggle,
            bg="AntiqueWhite1",
            width=40,
        )
        self.b3.grid(row=3, column=0)
```

```

        self.b4 = tkinter.Button(
            self, text="NEXT SONG", command=self.next_song,
            bg="AntiqueWhite1", width=40
        )
        self.b4.grid(row=5, column=0)

        self.b5 = tkinter.Button(
            self,
            text="ADD TO PLAYLIST",
            command=self.add_to_list,
            bg="AntiqueWhite1",
            width=40,
        )
        self.b5.grid(row=1, column=0)

        self.labell1 = tkinter.Label(
            self, fg="Black", font=("Helvetica 12 bold italic", 10),
            bg="ivory2"
        )
        self.labell1.grid(row=6, column=0)

        self.output = tkinter.Text(self, wrap=tkinter.WORD, width=60)
        self.output.grid(row=8, column=0)

        self.SONG_END = pygame.USEREVENT + 1

    def add_to_list(self) -> None:
        """
        Opens window to browse data on disk and adds selected songs to
        play list
        """
        directory = askopenfilenames()
        for song_dir in directory:
            print(song_dir)
            self.playlist.append(song_dir)
            self.output.delete(0.0, tkinter.END)

        for key, item in enumerate(self.playlist):
            song = EasyID3(item)
            song_data = (
                str(key + 1) + " : " +
                song["title"][0] + " - " + song["artist"][0]
            )
            self.output.insert(tkinter.END, song_data + "\n")

    def song_data(self) -> str:

```

```

    """
    Makes string of current playing song data over the text box
    """
    song = EasyID3(self.playlist[self.actual_song])
    return f"Now playing: {self.actual_song +
1}}{str(song['title'])}-{str(song['artist'])}"

def play_music(self) -> None:
    """
    Loads current song, plays it, sets event on song finish
    """
    directory = self.playlist[self.actual_song]
    pygame.mixer.music.load(directory)
    pygame.mixer.music.play(1, 0.0)
    pygame.mixer.music.set_endevent(self.SONG_END)
    self.paused = False
    self.label1["text"] = self.song_data()

def check_music(self) -> None:
    """
    Listens to END_MUSIC event and triggers next song to play if
current
    song has finished
    """
    for event in pygame.event.get():
        if event.type == self.SONG_END:
            self.next_song()

def toggle(self) -> None:
    """
    Toggles current song
    """
    if self.paused:
        pygame.mixer.music.unpause()
        self.paused = False
    elif not self.paused:
        pygame.mixer.music.pause()
        self.paused = True

def get_next_song(self) -> int:
    """
    Gets next song number on playlist
    """
    if self.actual_song + 2 <= len(self.playlist):
        return self.actual_song + 1
    else:
        return 0

```

```

def next_song(self) -> None:
    """
    Plays next song
    """
    self.actual_song = self.get_next_song()
    self.play_music()

def get_previous_song(self) -> int:
    """
    Gets previous song number on playlist and returns it
    """
    if self.actual_song - 1 >= 0:
        return self.actual_song - 1
    else:
        return len(self.playlist) - 1

def previous_song(self) -> None:
    """
    Plays prevoius song
    """
    self.actual_song = self.get_previous_song()
    self.play_music()

pygame.init()
window = tkinter.Tk()

window.geometry("500x500")
window.title("MP3 Music Player")

app = FrameApp(window)

if __name__ == "__main__":
    while True:
        app.check_music()
        app.update()

```

Suggestion From Pylint:

PS C:\Users\student\Desktop\202001162> py -m pylint main.py

***** Module main

main.py:1:0: C0114: Missing module docstring (missing-module-docstring)

main.py:2:0: E0401: Unable to import 'mutagen.easyid3' (import-error)

main.py:3:0: E0401: Unable to import 'pygame' (import-error)
main.py:7:0: C0115: Missing class docstring (missing-class-docstring)
main.py:16:8: C0103: Attribute name "b1" doesn't conform to snake_case naming style (invalid-name)
main.py:25:8: C0103: Attribute name "b2" doesn't conform to snake_case naming style (invalid-name)
main.py:34:8: C0103: Attribute name "b3" doesn't conform to snake_case naming style (invalid-name)
main.py:43:8: C0103: Attribute name "b4" doesn't conform to snake_case naming style (invalid-name)
main.py:48:8: C0103: Attribute name "b5" doesn't conform to snake_case naming style (invalid-name)
main.py:65:8: C0103: Attribute name "SONG_END" doesn't conform to snake_case naming style (invalid-name)
main.py:7:0: R0902: Too many instance attributes (11/7) (too-many-instance-attributes)
main.py:9:8: R1725: Consider using Python 3 style super() without arguments (super-with-arguments)
main.py:13:24: R1734: Consider using [] instead of list() (use-list-literal)
main.py:127:8: R1705: Unnecessary "else" after "return", remove the "else" and de-indent the code inside it (no-else-return)
main.py:143:8: R1705: Unnecessary "else" after "return", remove the "else" and de-indent the code inside it (no-else-return)
main.py:4:0: C0411: standard import "from tkinter.filedialog import askopenfilenames" should be placed before "from mutagen.easyid3 import EasyID3" (wrong-import-order)

Your code has been rated at 7.00/10 (previous run: 7.00/10, +0.00)

Code 2:

```
from tkinter import *
from PIL import ImageTk, Image
from tkinter import messagebox
import pymysql

def bookRegister():

    bid = bookInfo1.get()
    title = bookInfo2.get()
    author = bookInfo3.get()
    status = bookInfo4.get()
    status = status.lower()
```

```

insertBooks = (
    "insert into "
    + bookTable
    + " values('"
    + bid
    + "', '"
    + title
    + "', '"
    + author
    + "', '"
    + status
    + "')"
)
try:
    cur.execute(insertBooks)
    con.commit()
    messagebox.showinfo("Success", "Book added successfully")
except:
    messagebox.showinfo("Error", "Can't add data into Database")

print(bid)
print(title)
print(author)
print(status)

root.destroy()

def addBook():

    global bookInfo1, bookInfo2, bookInfo3, bookInfo4, Canvas1, con, cur,
    bookTable, root

    root = Tk()
    root.title("Library")
    root.minsize(width=400, height=400)
    root.geometry("600x500")

    # Add your own database name and password here to reflect in the code

```

```

mypass = "root"
mydatabase = "db"

con = pymysql.connect(
    host="localhost", user="root", password=mypass,
database=mydatabase
)
cur = con.cursor()

# Enter Table Names here
bookTable = "books" # Book Table

Canvas1 = Canvas(root)

Canvas1.config(bg="#ff6e40")
Canvas1.pack(expand=True, fill=BOTH)

headingFrame1 = Frame(root, bg="#FFBB00", bd=5)
headingFrame1.place(relx=0.25, rely=0.1, relwidth=0.5, relheight=0.13)

headingLabel = Label(
    headingFrame1, text="Add Books", bg="black", fg="white",
font=("Courier", 15)
)
headingLabel.place(relx=0, rely=0, relwidth=1, relheight=1)

labelFrame = Frame(root, bg="black")
labelFrame.place(relx=0.1, rely=0.4, relwidth=0.8, relheight=0.4)

# Book ID
lb1 = Label(labelFrame, text="Book ID : ", bg="black", fg="white")
lb1.place(relx=0.05, rely=0.2, relheight=0.08)

bookInfo1 = Entry(labelFrame)
bookInfo1.place(relx=0.3, rely=0.2, relwidth=0.62, relheight=0.08)

# Title
lb2 = Label(labelFrame, text="Title : ", bg="black", fg="white")
lb2.place(relx=0.05, rely=0.35, relheight=0.08)

```



```
bookInfo2 = Entry(labelFrame)
bookInfo2.place(relx=0.3, rely=0.35, relwidth=0.62, relheight=0.08)

# Book Author
lb3 = Label(labelFrame, text="Author : ", bg="black", fg="white")
lb3.place(relx=0.05, rely=0.50, relheight=0.08)

bookInfo3 = Entry(labelFrame)
bookInfo3.place(relx=0.3, rely=0.50, relwidth=0.62, relheight=0.08)

# Book Status
lb4 = Label(labelFrame, text="Status(Avail/issued) : ", bg="black",
fg="white")
lb4.place(relx=0.05, rely=0.65, relheight=0.08)

bookInfo4 = Entry(labelFrame)
bookInfo4.place(relx=0.3, rely=0.65, relwidth=0.62, relheight=0.08)

# Submit Button
SubmitBtn = Button(
    root, text="SUBMIT", bg="#d1ccc0", fg="black",
command=bookRegister
)
SubmitBtn.place(relx=0.28, rely=0.9, relwidth=0.18, relheight=0.08)

quitBtn = Button(root, text="Quit", bg="#f7f1e3", fg="black",
command=root.destroy)
quitBtn.place(relx=0.53, rely=0.9, relwidth=0.18, relheight=0.08)

root.mainloop()
```

```

PS C:\Users\student\Desktop\202001162\python-projects-for-intermediates-main> py -m pylint .\library-management-system\AddBook.py
***** Module AddBook
library-management-system\AddBook.py:1:0: C0114: Missing module docstring (missing-module-docstring)
library-management-system\AddBook.py:1:0: C0103: Module name "AddBook" doesn't conform to snake_case naming style (invalid-name)
library-management-system\AddBook.py:1:0: W0401: Wildcard import tkinter (wildcard-import)
library-management-system\AddBook.py:4:0: E0401: Unable to import 'pymysql' (import-error)
library-management-system\AddBook.py:7:0: C0116: Missing function or method docstring (missing-function-docstring)
library-management-system\AddBook.py:7:0: C0103: Function name "bookRegister" doesn't conform to snake_case naming style (invalid-name)
library-management-system\AddBook.py:15:4: C0103: Variable name "insertBooks" doesn't conform to snake_case naming style (invalid-name)
library-management-system\AddBook.py:32:4: W0702: No exception type(s) specified (bare-except)
library-management-system\AddBook.py:43:0: C0116: Missing function or method docstring (missing-function-docstring)
library-management-system\AddBook.py:43:0: C0103: Function name "addBook" doesn't conform to snake_case naming style (invalid-name)
library-management-system\AddBook.py:45:4: C0103: Constant name "bookInfo1" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\AddBook.py:45:4: C0103: Constant name "bookInfo2" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\AddBook.py:45:4: C0103: Constant name "bookInfo3" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\AddBook.py:45:4: C0103: Constant name "bookInfo4" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\AddBook.py:45:4: C0103: Constant name "Canvas1" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\AddBook.py:45:4: C0103: Constant name "con" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\AddBook.py:45:4: C0103: Constant name "cur" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\AddBook.py:45:4: C0103: Constant name "bookTable" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\AddBook.py:45:4: C0103: Constant name "root" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\AddBook.py:45:4: W0601: Global variable 'bookInfo1' undefined at the module level (global-variable-undefined)
library-management-system\AddBook.py:45:4: W0601: Global variable 'bookInfo2' undefined at the module level (global-variable-undefined)
library-management-system\AddBook.py:45:4: W0601: Global variable 'bookInfo3' undefined at the module level (global-variable-undefined)
library-management-system\AddBook.py:45:4: W0601: Global variable 'bookInfo4' undefined at the module level (global-variable-undefined)
library-management-system\AddBook.py:45:4: W0601: Global variable 'Canvas1' undefined at the module level (global-variable-undefined)
library-management-system\AddBook.py:45:4: W0601: Global variable 'con' undefined at the module level (global-variable-undefined)
library-management-system\AddBook.py:45:4: W0601: Global variable 'cur' undefined at the module level (global-variable-undefined)
library-management-system\AddBook.py:45:4: W0601: Global variable 'bookTable' undefined at the module level (global-variable-undefined)
library-management-system\AddBook.py:45:4: W0601: Global variable 'root' undefined at the module level (global-variable-undefined)
library-management-system\AddBook.py:69:4: C0103: Variable name "headingFrame1" doesn't conform to snake_case naming style (invalid-name)
library-management-system\AddBook.py:72:4: C0103: Variable name "headingLabel" doesn't conform to snake_case naming style (invalid-name)
library-management-system\AddBook.py:109:4: C0103: Variable name "SubmitBtn" doesn't conform to snake_case naming style (invalid-name)
library-management-system\AddBook.py:114:4: C0103: Variable name "quitBtn" doesn't conform to snake_case naming style (invalid-name)
library-management-system\AddBook.py:3:0: C0411: standard import "from tkinter import messagebox" should be placed before "from PIL import ImageTk, Image" (wrong-import-order)
library-management-system\AddBook.py:2:0: W0611: Unused ImageTk imported from PIL (unused-import)

```

Output:

```

PS C:\Users\student\Desktop\202001162\python-projects-for-intermediates-main> py
-m pylint .\library-management-system\addBook.py
***** Module addBook
library-management-system\addBook.py:1:0: C0114: Missing module docstring
(missing-module-docstring)
library-management-system\addBook.py:1:0: C0103: Module name "addBook" doesn't
conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:1:0: W0401: Wildcard import tkinter
(wildcard-import)
library-management-system\addBook.py:4:0: E0401: Unable to import 'pymysql'
(import-error)
library-management-system\addBook.py:7:0: C0116: Missing function or method
docstring (missing-function-docstring)
library-management-system\addBook.py:7:0: C0103: Function name "bookRegister"
doesn't conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:15:4: C0103: Variable name "insertBooks"
doesn't conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:32:4: W0702: No exception type(s) specified
(bare-except)
library-management-system\addBook.py:43:0: C0116: Missing function or method
docstring (missing-function-docstring)
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library-management-system\addBook.py:45:4: C0103: Constant name "bookInfo2"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "bookInfo3"

```

doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "bookInfo4"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "Canvas1"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "con" doesn't
conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "cur" doesn't
conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "bookTable"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "root" doesn't
conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: W0601: Global variable 'bookInfo1'
undefined at the module level (global-variable-undefined)
library-management-system\addBook.py:45:4: W0601: Global variable 'bookInfo2'
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library-management-system\addBook.py:45:4: W0601: Global variable 'bookInfo3'
undefined at the module level (global-variable-undefined)
library-management-system\addBook.py:45:4: W0601: Global variable 'bookInfo4'
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library-management-system\addBook.py:45:4: W0601: Global variable 'Canvas1'
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library-management-system\addBook.py:45:4: W0601: Global variable 'con' undefined
at the module level (global-variable-undefined)
library-management-system\addBook.py:45:4: W0601: Global variable 'cur' undefined at
the module level (global-variable-undefined)
library-management-system\addBook.py:45:4: W0601: Global variable 'bookTable'
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at the module level (global-variable-undefined)
library-management-system\addBook.py:69:4: C0103: Variable name "headingFrame1"
doesn't conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:72:4: C0103: Variable name "headingLabel"
doesn't conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:77:4: C0103: Variable name "labelFrame"
doesn't conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:109:4: C0103: Variable name "SubmitBtn"
doesn't conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:114:4: C0103: Variable name "quitBtn" doesn't
conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:3:0: C0411: standard import "from tkinter
import messagebox" should be placed before "from PIL import ImageTk, Image"
(wrong-import-order)
library-management-system\addBook.py:2:0: W0611: Unused ImageTk imported from
PIL (unused-import)

library-management-system\addBook.py:1:0: W0614: Unused import(s) enum, sys, types, TclError, re, wantobjects, TkVersion, TclVersion, READABLE, WRITABLE, EXCEPTION, EventType, Event, NoDefaultRoot, Variable, StringVar, IntVar, DoubleVar, BooleanVar, mainloop, getint, getdouble, getboolean, Misc, CallWrapper, XView, YView, Wm, Tcl, Pack, Place, Grid, BaseWidget, Widget, Toplevel, Checkbutton, Listbox, Menu, Menubutton, Message, Radiobutton, Scale, Scrollbar, Text, OptionMenu, Image, PhotoImage, BitmapImage, image_names, image_types, Spinbox, LabelFrame, PanedWindow, NO, FALSE, OFF, YES, TRUE, ON, N, S, W, E, NW, SW, NE, SE, NS, EW, NSEW, CENTER, NONE, X, Y, LEFT, TOP, RIGHT, BOTTOM, RAISED, SUNKEN, FLAT, RIDGE, GROOVE, SOLID, HORIZONTAL, VERTICAL, NUMERIC, CHAR, WORD, BASELINE, INSIDE, OUTSIDE, SEL, SEL_FIRST, SEL_LAST, END, INSERT, CURRENT, ANCHOR, ALL, NORMAL, DISABLED, ACTIVE, HIDDEN, CASCADE, CHECKBUTTON, COMMAND, RADIOBUTTON, SEPARATOR, SINGLE, BROWSE, MULTIPLE, EXTENDED, DOTBOX, UNDERLINE, PIESLICE, CHORD, ARC, FIRST, LAST, BUTT, PROJECTING, ROUND, BEVEL, MITER, MOVETO, SCROLL, UNITS and PAGES from wildcard import of tkinter (unused-wildcard-import)

Your code has been rated at 3.65/10 (previous run: 3.65/10, +0.00)

Coe 3:

```
from tkinter import *
from PIL import ImageTk, Image
from tkinter import messagebox
import pymysql

# Add your own database name and password here to reflect in the code
mypass = "root"
mydatabase = "db"

con = pymysql.connect(
    host="localhost", user="root", password=mypass, database=mydatabase
)
cur = con.cursor()

# Enter Table Names here
issueTable = "books_issued"
bookTable = "books" # Book Table

def deleteBook():
```

```

        bid = bookInfo1.get()

        deleteSql = "delete from " + bookTable + " where bid = '" + bid + "'"
        deleteIssue = "delete from " + issueTable + " where bid = '" + bid + "'"
    """
    try:
        cur.execute(deleteSql)
        con.commit()
        cur.execute(deleteIssue)
        con.commit()
        messagebox.showinfo("Success", "Book Record Deleted Successfully")
    except:
        messagebox.showinfo("Please check Book ID")

    print(bid)

    bookInfo1.delete(0, END)
    root.destroy()

def delete():

    global bookInfo1, bookInfo2, bookInfo3, bookInfo4, Canvas1, con, cur,
bookTable, root

    root = Tk()
    root.title("Library")
    root.minsize(width=400, height=400)
    root.geometry("600x500")

    Canvas1 = Canvas(root)

    Canvas1.config(bg="#006B38")
    Canvas1.pack(expand=True, fill=BOTH)

    headingFrame1 = Frame(root, bg="#FFBB00", bd=5)
    headingFrame1.place(relx=0.25, rely=0.1, relwidth=0.5, relheight=0.13)

    headingLabel = Label(
        headingFrame1, text="Delete Book", bg="black", fg="white",

```

```

font=("Courier", 15)
)
headingLabel.place(relx=0, rely=0, relwidth=1, relheight=1)

labelFrame = Frame(root, bg="black")
labelFrame.place(relx=0.1, rely=0.3, relwidth=0.8, relheight=0.5)

# Book ID to Delete
lb2 = Label(labelFrame, text="Book ID : ", bg="black", fg="white")
lb2.place(relx=0.05, rely=0.5)

bookInfo1 = Entry(labelFrame)
bookInfo1.place(relx=0.3, rely=0.5, relwidth=0.62)

# Submit Button
SubmitBtn = Button(
    root, text="SUBMIT", bg="#d1ccc0", fg="black", command=deleteBook
)
SubmitBtn.place(relx=0.28, rely=0.9, relwidth=0.18, relheight=0.08)

quitBtn = Button(root, text="Quit", bg="#f7f1e3", fg="black",
command=root.destroy)
quitBtn.place(relx=0.53, rely=0.9, relwidth=0.18, relheight=0.08)

root.mainloop()

```

```

PS C:\Users\student\Desktop\202001162\python-projects-for-intermediates-main> py -m pylint .\library-management-system\addBook.py
***** Module addBook
library-management-system\addBook.py:1:0: C0114: Missing module docstring (missing-module-docstring)
library-management-system\addBook.py:1:0: C0103: Module name "addBook" doesn't conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:1:0: W0401: Wildcard import tkinter (wildcard-import)
library-management-system\addBook.py:4:0: E0401: Unable to import 'pymysql' (import-error)
library-management-system\addBook.py:7:0: C0116: Missing function or method docstring (missing-function-docstring)
library-management-system\addBook.py:7:0: C0103: Function name "bookRegister" doesn't conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:15:4: C0103: Variable name "insertBooks" doesn't conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:32:4: W0702: No exception type(s) specified (bare-except)
library-management-system\addBook.py:43:0: C0116: Missing function or method docstring (missing-function-docstring)
library-management-system\addBook.py:43:0: C0103: Function name "addBook" doesn't conform to snake_case naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "bookInfo1" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "bookInfo2" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "bookInfo3" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "bookInfo4" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "Canvas1" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "con" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "cur" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "bookTable" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: C0103: Constant name "root" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\addBook.py:45:4: W0601: Global variable 'bookInfo1' undefined at the module level (global-variable-undefined)
library-management-system\addBook.py:45:4: W0601: Global variable 'bookInfo2' undefined at the module level (global-variable-undefined)
library-management-system\addBook.py:45:4: W0601: Global variable 'bookInfo3' undefined at the module level (global-variable-undefined)
library-management-system\addBook.py:45:4: W0601: Global variable 'bookInfo4' undefined at the module level (global-variable-undefined)
library-management-system\addBook.py:45:4: W0601: Global variable 'Canvas1' undefined at the module level (global-variable-undefined)
library-management-system\addBook.py:45:4: W0601: Global variable 'con' undefined at the module level (global-variable-undefined)
library-management-system\addBook.py:45:4: W0601: Global variable 'cur' undefined at the module level (global-variable-undefined)

```

OUTPUT:

```
PS C:\Users\student\Desktop\202001162\python-projects-for-intermediates-main> py
-m pylint .\library-management-system\DeleteBook.py
***** Module DeleteBook
library-management-system\DeleteBook.py:1:0: C0114: Missing module docstring
(missing-module-docstring)
library-management-system\DeleteBook.py:1:0: C0103: Module name "DeleteBook"
doesn't conform to snake_case naming style (invalid-name)
library-management-system\DeleteBook.py:1:0: W0401: Wildcard import tkinter
(wildcard-import)
library-management-system\DeleteBook.py:4:0: E0401: Unable to import 'pymysql'
(import-error)
library-management-system\DeleteBook.py:7:0: C0103: Constant name "mypass"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\DeleteBook.py:8:0: C0103: Constant name "mydatabase"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\DeleteBook.py:16:0: C0103: Constant name "issueTable"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\DeleteBook.py:17:0: C0103: Constant name "bookTable"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\DeleteBook.py:20:0: C0116: Missing function or method
docstring (missing-function-docstring)
library-management-system\DeleteBook.py:20:0: C0103: Function name "deleteBook"
doesn't conform to snake_case naming style (invalid-name)
library-management-system\DeleteBook.py:24:4: C0103: Variable name "deleteSql"
doesn't conform to snake_case naming style (invalid-name)
library-management-system\DeleteBook.py:25:4: C0103: Variable name "deleteIssue"
doesn't conform to snake_case naming style (invalid-name)
library-management-system\DeleteBook.py:32:4: W0702: No exception type(s)
specified (bare-except)
library-management-system\DeleteBook.py:41:0: C0116: Missing function or method
docstring (missing-function-docstring)
library-management-system\DeleteBook.py:43:4: C0103: Constant name "bookInfo1"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\DeleteBook.py:43:4: C0103: Constant name "bookInfo2"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\DeleteBook.py:43:4: C0103: Constant name "bookInfo3"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\DeleteBook.py:43:4: C0103: Constant name "bookInfo4"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\DeleteBook.py:43:4: C0103: Constant name "Canvas1"
doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\DeleteBook.py:43:4: C0103: Constant name "con" doesn't
conform to UPPER_CASE naming style (invalid-name)
```

library-management-system\DeleteBook.py:43:4: C0103: Constant name "cur" doesn't conform to UPPER_CASE naming style (invalid-name)

library-management-system\DeleteBook.py:43:4: C0103: Constant name "bookTable" doesn't conform to UPPER_CASE naming style (invalid-name)

library-management-system\DeleteBook.py:43:4: C0103: Constant name "root" doesn't conform to UPPER_CASE naming style (invalid-name)

library-management-system\DeleteBook.py:43:4: W0601: Global variable 'bookInfo1' undefined at the module level (global-variable-undefined)

library-management-system\DeleteBook.py:43:4: W0602: Using global for 'bookInfo2' but no assignment is done (global-variable-not-assigned)

library-management-system\DeleteBook.py:43:4: W0602: Using global for 'bookInfo3' but no assignment is done (global-variable-not-assigned)

library-management-system\DeleteBook.py:43:4: W0602: Using global for 'bookInfo4' but no assignment is done (global-variable-not-assigned)

library-management-system\DeleteBook.py:43:4: W0601: Global variable 'Canvas1' undefined at the module level (global-variable-undefined)

library-management-system\DeleteBook.py:43:4: W0602: Using global for 'con' but no assignment is done (global-variable-not-assigned)

library-management-system\DeleteBook.py:43:4: W0602: Using global for 'cur' but no assignment is done (global-variable-not-assigned)

library-management-system\DeleteBook.py:43:4: W0602: Using global for 'bookTable' but no assignment is done (global-variable-not-assigned)

library-management-system\DeleteBook.py:43:4: W0601: Global variable 'root' undefined at the module level (global-variable-undefined)

library-management-system\DeleteBook.py:55:4: C0103: Variable name "headingFrame1" doesn't conform to snake_case naming style (invalid-name)

library-management-system\DeleteBook.py:58:4: C0103: Variable name "headingLabel" doesn't conform to snake_case naming style (invalid-name)

library-management-system\DeleteBook.py:63:4: C0103: Variable name "labelFrame" doesn't conform to snake_case naming style (invalid-name)

library-management-system\DeleteBook.py:74:4: C0103: Variable name "SubmitBtn" doesn't conform to snake_case naming style (invalid-name)

library-management-system\DeleteBook.py:79:4: C0103: Variable name "quitBtn" doesn't conform to snake_case naming style (invalid-name)

library-management-system\DeleteBook.py:3:0: C0411: standard import "from tkinter import messagebox" should be placed before "from PIL import ImageTk, Image" (wrong-import-order)

library-management-system\DeleteBook.py:2:0: W0611: Unused ImageTk imported from PIL (unused-import)

library-management-system\DeleteBook.py:1:0: W0614: Unused import(s) enum, sys, types, TclError, re, wantobjects, TkVersion, TclVersion, READABLE, WRITABLE, EXCEPTION, EventType, Event, NoDefaultRoot, Variable, StringVar, IntVar, DoubleVar, BooleanVar, mainloop, getint, getdouble, getboolean, Misc, CallWrapper, XView, YView, Wm, Tcl, Pack, Place, Grid, BaseWidget, Widget, Toplevel, Checkbutton, Listbox, Menu, Menubutton, Message, Radiobutton, Scale, Scrollbar, Text, OptionMenu, Image, PhotoImage, BitmapImage, image_names, image_types, Spinbox, LabelFrame,

PaneWindow, NO, FALSE, OFF, YES, TRUE, ON, N, S, W, E, NW, SW, NE, SE, NS, EW, NSEW, CENTER, NONE, X, Y, LEFT, TOP, RIGHT, BOTTOM, RAISED, SUNKEN, FLAT, RIDGE, GROOVE, SOLID, HORIZONTAL, VERTICAL, NUMERIC, CHAR, WORD, BASELINE, INSIDE, OUTSIDE, SEL, SEL_FIRST, SEL_LAST, INSERT, CURRENT, ANCHOR, ALL, NORMAL, DISABLED, ACTIVE, HIDDEN, CASCADE, CHECKBUTTON, COMMAND, RADIOBUTTON, SEPARATOR, SINGLE, BROWSE, MULTIPLE, EXTENDED, DOTBOX, UNDERLINE, PIESLICE, CHORD, ARC, FIRST, LAST, BUTT, PROJECTING, ROUND, BEVEL, MITER, MOVETO, SCROLL, UNITS and PAGES from wildcard import of tkinter (unused-wildcard-import)

Your code has been rated at 1.02/10

Code 4:

```
from tkinter import *
from PIL import ImageTk, Image
import pymysql
from tkinter import messagebox
from AddBook import *
from DeleteBook import *
from ViewBooks import *
from IssueBook import *
from ReturnBook import *

# Add your own database name and password here to reflect in the code
mypass = "root"
mydatabase = "db"

con = pymysql.connect(
    host="localhost", user="root", password=mypass, database=mydatabase
)
cur = con.cursor()

root = Tk()
root.title("Library")
root.minsize(width=400, height=400)
root.geometry("600x500")

# Take n greater than 0.25 and less than 5
same = True
```

```

n = 0.25

# Adding a background image
background_image = Image.open("lib.jpg")
[imageSizeWidth, imageSizeHeight] = background_image.size

newImageSizeWidth = int(imageSizeWidth * n)
if same:
    newImageSizeHeight = int(imageSizeHeight * n)
else:
    newImageSizeHeight = int(imageSizeHeight / n)

background_image = background_image.resize(
    (newImageSizeWidth, newImageSizeHeight), Image.ANTIALIAS
)
img = ImageTk.PhotoImage(background_image)

Canvas1 = Canvas(root)

Canvas1.create_image(300, 340, image=img)
Canvas1.config(bg="white", width=newImageSizeWidth,
height=newImageSizeHeight)
Canvas1.pack(expand=True, fill=BOTH)

headingFrame1 = Frame(root, bg="#FFBB00", bd=5)
headingFrame1.place(relx=0.2, rely=0.1, relwidth=0.6, relheight=0.16)

headingLabel = Label(
    headingFrame1,
    text="Welcome to \n DataFlair Library",
    bg="black",
    fg="white",
    font=("Courier", 15),
)
headingLabel.place(relx=0, rely=0, relwidth=1, relheight=1)

btn1 = Button(root, text="Add Book Details", bg="black", fg="white",
command=addBook)
btn1.place(relx=0.28, rely=0.4, relwidth=0.45, relheight=0.1)

```

```

btn2 = Button(root, text="Delete Book", bg="black", fg="white",
command=delete)
btn2.place(relx=0.28, rely=0.5, relwidth=0.45, relheight=0.1)

btn3 = Button(root, text="View Book List", bg="black", fg="white",
command=View)
btn3.place(relx=0.28, rely=0.6, relwidth=0.45, relheight=0.1)

btn4 = Button(
    root, text="Issue Book to Student", bg="black", fg="white",
command=issueBook
)
btn4.place(relx=0.28, rely=0.7, relwidth=0.45, relheight=0.1)

btn5 = Button(root, text="Return Book", bg="black", fg="white",
command=returnBook)
btn5.place(relx=0.28, rely=0.8, relwidth=0.45, relheight=0.1)

root.mainloop()

```

OUTPUT:

```

PS C:\Users\student\Desktop\202001162\python-projects-for-intermediates-main> py
-m pylint .\library-management-system\main.py
***** Module main
library-management-system\main.py:1:0: C0114: Missing module docstring
(missing-module-docstring)
library-management-system\main.py:1:0: W0401: Wildcard import tkinter
(wildcard-import)
library-management-system\main.py:3:0: E0401: Unable to import 'pymysql'
(import-error)
library-management-system\main.py:5:0: W0401: Wildcard import AddBook
(wildcard-import)
library-management-system\main.py:6:0: W0401: Wildcard import DeleteBook
(wildcard-import)
library-management-system\main.py:7:0: W0401: Wildcard import ViewBooks
(wildcard-import)
library-management-system\main.py:8:0: W0401: Wildcard import IssueBook
(wildcard-import)
library-management-system\main.py:9:0: W0401: Wildcard import ReturnBook
(wildcard-import)
library-management-system\main.py:12:0: C0103: Constant name "mypass" doesn't

```

conform to UPPER_CASE naming style (invalid-name)
library-management-system\main.py:13:0: C0103: Constant name "mydatabase" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\main.py:26:0: C0103: Constant name "same" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\main.py:27:0: C0103: Constant name "n" doesn't conform to UPPER_CASE naming style (invalid-name)
library-management-system\main.py:40:45: E1101: Class 'Image' has no 'ANTIALIAS' member (no-member)
library-management-system\main.py:4:0: C0411: standard import "from tkinter import messagebox" should be placed before "from PIL import ImageTk, Image" (wrong-import-order)
library-management-system\main.py:4:0: W0611: Unused messagebox imported from tkinter (unused-import)
library-management-system\main.py:1:0: W0614: Unused import(s) enum, sys, types, TclError, re, wantobjects, TkVersion, TclVersion, READABLE, WRITABLE, EXCEPTION, EventType, Event, NoDefaultRoot, Variable, StringVar, IntVar, DoubleVar, BooleanVar,.mainloop, getint, getdouble, getboolean, Misc, CallWrapper, XView, YView, Wm, Tcl, Pack, Place, Grid, BaseWidget, Widget, Toplevel, Checkbutton, Entry, Listbox, Menu, Menubutton, Message, Radiobutton, Scale, Scrollbar, Text, OptionMenu, PhotoImage, BitmapImage, image_names, image_types, Spinbox, LabelFrame, PanedWindow, NO, FALSE, OFF, YES, TRUE, ON, N, S, W, E, NW, SW, NE, SE, NS, EW, NSEW, CENTER, NONE, X, Y, LEFT, TOP, RIGHT, BOTTOM, RAISED, SUNKEN, FLAT, RIDGE, GROOVE, SOLID, HORIZONTAL, VERTICAL, NUMERIC, CHAR, WORD, BASELINE, INSIDE, OUTSIDE, SEL, SEL_FIRST, SEL_LAST, END, INSERT, CURRENT, ANCHOR, ALL, NORMAL, DISABLED, ACTIVE, HIDDEN, CASCADE, CHECKBUTTON, COMMAND, RADIOBUTTON, SEPARATOR, SINGLE, BROWSE, MULTIPLE, EXTENDED, DOTBOX, UNDERLINE, PIESLICE, CHORD, ARC, FIRST, LAST, BUTT, PROJECTING, ROUND, BEVEL, MITER, MOVETO, SCROLL, UNITS and PAGES from wildcard import of tkinter (unused-wildcard-import)
library-management-system\main.py:5:0: W0614: Unused import(s) cur, bookRegister, bookTable, bookInfo1, bookInfo2, bookInfo3 and bookInfo4 from wildcard import of AddBook (unused-wildcard-import)
library-management-system\main.py:6:0: W0614: Unused import(s) issueTable and deleteBook from wildcard import of DeleteBook (unused-wildcard-import)
library-management-system\main.py:8:0: W0614: Unused import(s) allBid, issue, status, labelFrame, lb1, inf1, inf2, issueBtn and quitBtn from wildcard import of IssueBook (unused-wildcard-import)
library-management-system\main.py:9:0: W0614: Unused import(s) return and SubmitBtn from wildcard import of ReturnBook (unused-wildcard-import)

Your code has been rated at 3.91/10 (previous run: 7.00/10, -3.09)