Python Project

Aim: To use python GUI in real life situation.

Theory:This Project is about Music Review . Here you can check out review for your favourite music albums.Here there is also a database project using python for the music review app where you enter the number of the album and you will be shown various information about that album such as the release date, sales of the album,artist and many more.

Code:

```python
fromtkinter import *

def review1():

        motsp=Tk()

        motsp.config(bg="pink")

         motsp.title("Map of the soul:Persona album Review")

          motsp.minsize(1000,900)

        title=Label(motsp,text="BTS").grid(sticky="n")

        cover=PhotoImage(file="motsp.gif")

        Label(motsp,image=cover).grid(row=1,column=0,sticky="e")

         info="Released:-April 12, 2019\nStudio:-Big Hit (Seoul),The Village (Los  Angeles)\nGenre:-Pop,R&B,rap rock\nLength:-26:05\nLanguage:-Korean\nLabel:-Big        Hit entertainment\nProducer:-Pdogg  \nHissNoiseArcadesFredGibsonBadMilkMarcusMcCoan"

        Label(motsp,text=info).grid(row=2,column=0)

        discription="Boy With Luv's Korean title, 작은것들을위한시 translates to 'A Poem        for the Small Things'.\n...."

        Label(motsp,text=discription).grid(row=1,column=2)

        Label(motsp,text="The list of songs in the album").grid(row=2,column=2)

        list=Listbox(motsp)

        list.insert(1,"Intro:Persona")

        list.insert(2,"Boy with Luv")
```

```python
        list.insert(3,"Mikrosomos")

        list.insert(4,"Make it Right")

        list.insert(5,"HOME")

        list.insert(6,"Jamais Vu")

        list.insert(7,"Dionysus")

        list.grid(row=3,column=2)

        motsp.mainloop()

def review2():

        boss=Tk()

        boss.config(bg="black")

        boss.title("Boss album Review")

        boss.minsize(1000,900)

        title=Label(boss,text="NCT U(Neo Culture Tecnology united)").grid()

        cover=PhotoImage(file="boss.gif")

        Label(boss,image=cover).grid(row=1,column=0)

        members, the lineup keep changing for every comeback. \nNCT U debuted on  April 9      th,
2016 under SM Entertainment."

        Label(boss,text=info).grid(row=2,column=0)

        discription="With an overall focus on the group's rappers and the seven members'

        Label(boss,text=discription).grid(row=1,column=2)

        Label(boss,text="The list of songs in album").grid(row=2,column=2)

        list=Listbox()

        list.insert(1,"Boss")

        list.insert(2,"Limitless")

        list.insert(3,"The 7th sense")

        list.insert(4,"Without you")
```

```python
        list.grid(row=3,column=2)

        boss.mainloop()

def review3():

        tempo=Tk()

        tempo.config(bg="red")

        tempo.title("Dont mess up my tempo album Review")

        tempo.minsize(1000,900)

        title=Label(tempo,text="EXO").grid()

        cover=PhotoImage(file="tempo.gif")

        Label(tempo,image=cover).grid(row=1,column=0)

        info="Released:-November 2, 2018\nStudio:-SM Studios, Seoul, South Korea\nGe"

        Label(tempo,text=info).grid(row=2,column=0)

        discription="'Sign' is an electropop track with an intense bass and 'bombastic'    \ngroove with
lyrics..."

        Label(tempo,text=discription).grid(row=1,column=2)

        Label(tempo,text="The list of songs in album").grid(row=2,column=2)

        list=Listbox(tempo)

        list.insert(1,"Tempo")

        list.insert(2,"Sign")

        list.insert(3,"Ooh La La La")

        list.insert(4,"Gravity")

        list.insert(5,"24/7")

        list.insert(6,"Damage")

        list.insert(7,"Smile On My Face")

        list.insert(8,"Tempo(Chinese version)")

        list.grid(row=3,column=2)
```

```python
        tempo.mainloop()
def review4():

        mono=Tk()

        mono.config()

        mono.title("Mono Mixtape Review")

        mono.minsize(1000,900)

        title=Label(mono,text="RM(Kim Namjoon)").grid()

        cover=PhotoImage(file="mono.gif")

        Label(mono,image=cover).grid(row=1,column=0)

        Korean,English\nLabel:-Big Hit\nProducer:-RM,Pdogg,Hiss Noise"

        Label(mono,text=info).grid(row=2,column=0)

        discription="'Forever Rain' opens with a feeling of weariness and loneliness,\n w"

        Label(mono,text=discription).grid(row=1,column=2)

        Label(mono,text="The list of songs in album").grid(row=2,column=2)

        list=Listbox(mono)

        list.insert(2,"Seoul")

        list.insert(3,"Moonchild")

        list.insert(4,"Badbye")

        list.insert(5,"Uhgood")

        list.insert(6,"Everythingoes")

        list.insert(7,"Forever Rain")

        list.grid(row=3,column=2)

        mono.mainloop()
defhome_page():

        main=Tk()
```

```python
main.config(bg="pink")

main.title("Home Page")

main.minsize(1300,100)

title=Label(main,text="Your music destination").grid(row=0,column=2,ipadx=50,ipady=20)

img=PhotoImage(file="logo1.gif")

logo=img.subsample(6,6)

Label(main,image=logo).grid(row=0,column=0)

Label(main,text="Here you can look for the review on the music you listen
to.").grid(row=1,column=2,ipadx=50,ipady=20)

Label(main,text="Latest releases").grid(row=2,column=0)


home=Frame(main,bg="orange")

home.grid(row=3,column=2,sticky="sw")

a1=PhotoImage(file="motsp.gif")

Label(home,image=a1).grid(row=3,column=0,ipadx=5,ipady=10,sticky="e")

Label(home,text="Map of the soul:Persona").grid(row=4,column=0)

Button(home,text="Review",command=review1).grid(row=5,column=0)


a2=PhotoImage(file="boss.gif")

Label(home,image=a2).grid(row=3,column=1,ipadx=5,ipady=10)

Label(home,text="Boss").grid(row=4,column=1)

Button(home,text="Review",command=review2).grid(row=5,column=1)


a3=PhotoImage(file="tempo.gif")

Label(home,image=a3).grid(row=3,column=2,ipadx=5,ipady=10)

Label(home,text="Dont mess up my tempo").grid(row=4,column=2)
```

```
Button(home,text="Review",command=review3).grid(row=5,column=2)


  a4=PhotoImage(file="mono.gif")

Label(home,image=a4).grid(row=3,column=3,ipadx=5,ipady=10)

Label(home,text="Mono").grid(row=4,column=3)

Button(home,text="Review",command=review4).grid(row=5,column=3)

main.mainloop()
```
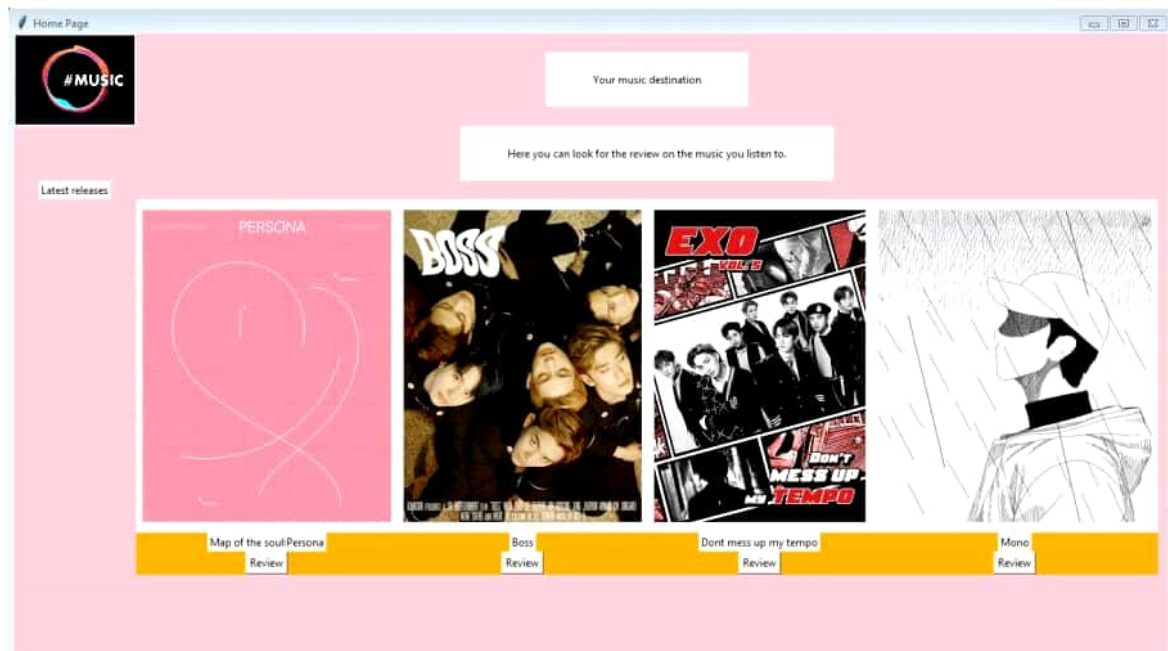
home_page()

BTS

PERSONA

Boy With Luv's Korean title, 작은 것들을 위한 시 translates to 'A Poem for the Small Things'.
Its title suggests a follow-up to their intense 2014 teen anthem 'Boy In Luv,'
about the confusion of young love that seems out of reach.
Now, five years wiser, BTS acknowledge the love that they already possess:
sweet-voiced Jimin sees it in the simplest gesture of asking about your day
while rapper J-Hope sees it as knowing that while he can't be a superhero
to everyone, he can do his best to protect those he cares about.

Released:-April 12, 2019
Studio:-Big Hit (Seoul),The Village (Los Angeles)
Genre:-Pop,R&B,rap rock
Length:-26:05
Language:-Korean
Label:-Big Hit entertainment
Producer:-Pdogg,
Hiss NoiseArcadesFred GibsonBad MilkMarcus McCoan

The list of songs in the album

Intro:Persona
Boy with Luv
Mikrosomos
Make it Right
HOME
Jamais Vu
Dionysus

NCT U(Neo Culture Tecnology united)

With an overall focus on the group's rappers and the seven members' stomping,
in-your-face dance moves, the hostile song culminates in a fight between the younger members
(Jungwoo, Mark, and Lucas) and the older ones
(Taeyong, Jaehyun, Doyoung, and Winwin), and shows Mark and Taeyong actively fighting
one another atop of a table. Throughout the video,
the members alternate between stylishly preppy, logo-bearing athleisure
outfits and black uniforms, a nod to the figurative battle they are fighting.
Upon its release, "Boss" trended worldwide on Twitter with a variety of
hashtags as fans heralded NCT U's return as a group and
the formal start of NCT 2018.

NCT U (엔씨티 유) is the first sub-unit of the boy group NCT.
NCT U doesn't have fix members, the lineup keep changing for every comeback.
NCT U debuted on April 9th, 2016 under SM Entertainment.

The list of songs in album

Boss
Limitless
The 7th sense
Without you

EXO

'Sign' is an electropop track with an intense bass and 'bombastic'
groove with lyrics expressing
a man's growing doubt due to lies told by the woman he loves.
'Ooh La La La' is a Latin pop song,
combining a heavy 808 bass and an 'exotic' atmosphere of Spanish guitar.
The lyrics of the song are about imagined love when two people accidentally make eye contact.
'Gravity' is an electropop track with a retro sound and funky rhythm, which the British duo LDN Noise worked on.
The lyrics were co-written by member Chanyeol, and are described as about the
desire to capture a girl's attention with gravity and charm.

Released:-November 2, 2018
Studio:-SM Studios, Seoul, South Korea
Genre:-K-pop,DanceR&B
Length:-39:10
Language:-Korean,Mandarin
Label:-SMIRIVER
Producer:-Lee Soo-man

The list of songs in album

Tempo
Sign
Ooh La La La
Gravity
24/7
Damage
Smile On My Face
Tempo(Chinese version)

RM(Kim Namjoon)

'Forever Rain' opens with a feeling of weariness and loneliness,
with conscientious lyrics such as
'I wish it rains all day
Cuz then people wouldn't stare at me
Cuz the umbrella would cover the sad face sad face
Cuz in the rain people are busy minding themselves.'
It is an animated video directed by Choi Jaehoon, who also served as creative director.
The animation supervisors were Lee Jinhee and PD Gim Boseong,
while editing was completed by Lee Jonhoon.
The animators for the music video were Gim Boseong, Kim Bom, Kim Jihwan, Shin Dohyun, Ahn Jaeyoon, Yoon Jongha, Yoon Juri, Lee Jinhee, Jeon Soeun.
Jeong dawoon, Jeong Jimin, and Hyun Yujeong.
The song 'Seoul' is a lyric video, showing various famous places located in Seoul,
such as the Han River, Cheonggyecheon stream, and Seonyudo Island.
It features a brief shot of RM sitting in a car outside a convenience store
and includes a short phone conversation where he describes his plans to leave.
'Seoul' was directed by Choi Yongseok of Lumpens with assistant directors Guzza,
Park Hyejeong and Jeong Minje, also from Lumpens.
Nam Hyunwoo of GDW acted as the director of photography and Min Joonki of Sunshine Underground is credited with composition.

Released:-October 23, 2018
Genre:-Hip hop
Length:-24:47
Language:-Korean,English
Label:-Big Hit
Producer:-RM,Pdogg,Hiss Noise

The list of songs in album

Tokyo
Seoul
Moonchild
Badbye
Uhgood
Everythingoes
Forever Rain

Database Project

Code:

```python
from tkinter import *

import os,sqlite3

conn=sqlite3.connect("Album.db")

cur=conn.cursor()

cur.execute('create table if not exists album_info(albumNo int PRIMARY KEY,a_name text,artist_name text,Release_date date,genre text,length int,language text,label text,producer text,sales text)')

cur.execute('insert into album_info values(1,"Map of the soul:persona ","BTS","12-08-2019","K-pop","26:05","Korean ","BigHit Entertainment ","Hiss Noise","Two million")')

cur.execute('insert into album_info values(2,"Boss","NCT U","27-02-2018","K-pop","22:00","Korean","SM Entertainment","Taeyong","One Million")')

cur.execute('insert into album_info values(3,"Dont Mess Up My Tempo","EXO","02-11-2018","Dance.R&B.K-pop","39:10","Korean.Manderin","SM Entertainment","Lee Soman","One million copies")')

cur.execute('insert into album_info values(4,"Mono","RM","23-10-2018","Hip-Hop","24:47","Korean.English","BigHit Entertainment","RM.PDogg","One Million")')

cur.execute('insert into album_info values(5,"Call My Name","GOT7","4-11-2019","K-pop","21:00","Korean","JYP Entertainment","JB.Mark","One Million")')

cur.execute('insert into album_info values(6,"Shangri-La","VIXX","15-05-2017","K-pop","23:11","Korean","Jellyfish Entertainment ","Ravi ","Ninety Lakh")')

cur.execute('insert into album_info values(7,"Cherry Bomb","NCT 127","14-06-2017","EDM.Hip-Hop.Electropop","24:38","Korean","SM Entertainment","Lee Sooman","One Lakh")')

cur.execute('insert into album_info values(8,"We Boom ","NCT Dream ","26-07-2019 ","K-Pop ","21:22 ","Korean ","SM Entertainment ","Jaemin ","Five lakh")')

cur.execute('insert into album_info values(9,"The Dream Chapter:Magic ","TXT","21-11-2019","K-pop.Tropical House.R&B ","27:43","Korean ","BigHit Entertainment ","HitMan Bang ","One Lakh Twentyfive Thousand")')

cur.execute('insert into album_info values(10,"Cle:LEVANTER","Stray Kids ","09-12-2019","K-pop","21:34 ","Korean ","JYP Entertaainment ","Bang Chan ","Two lakh copies")')
```

```python
root=Tk()

root.config(bg="pink")

root.title("Album Database")

list=Listbox(root)

list.grid(ipadx=200,ipady=50)

list.insert(1,"1.Map of the Soul:Persona")

list.insert(2,"2.Boss")

list.insert(3,"3.Dont Mess Up My Tempo")

list.insert(4,"4.Mono")

list.insert(5,"5.Call My Name")

list.insert(6,"6.Shangri-La")

list.insert(7,"7.Cherry Bomb")

list.insert(8,"8.We Boom")

list.insert(9,"9.The Dream Chapter:Magic")

list.insert(10,"10.Cle:LEVANTER")

Label(root,text="Enter the number for the Album You want to see Info about. ").grid()

num=StringVar()

e1=Entry(root,textvariable=num).grid()

def search():

    cur.execute('select * from album_info where albumNo=?',(num.get()))

    row=cur.fetchall()

    for i in row:

        list1.insert(END,i)

Button(root,text="SUBMIT",command=search).grid()
```

```
list1=Listbox(root)

list1.insert(1,"Album_name    Artist_Name    Release_Date    Genre    Length    Language    Label    Producer
Sales")

list1.grid(ipadx=500,ipady=100)

root.mainloop()
```


Album Database

1.Map of the Soul:Persona
2.Boss
3.Dont Mess Up My Tempo
4.Mono
5.Call My Name
6.Shangri-La
7.Cherry Bomb
8.We Boom
9.The Dream Chapter:Magic
10.Cle:LEVANTER

Enter the number for the Album You want to see Info about.

3

SUBMIT

Album_name   Artist_Name   Release_Date   Genre   Length   Language   Label   Producer   Sales
8 {We Boom } {NCT Dream } {26-07-2019 } {K-Pop } {21:22 } {Korean } {SM Entertainment } {Jaemin } {Five lakh}
4 Mono RM 23-10-2018 Hip-Hop 24:47 Korean.English {BigHit Entertainment} RM.PDogg {One Million}
6 Shangri-La VIXX 15-05-2017 K-pop 23:11 Korean {Jellyfish Entertainment } {Ravi } {Ninety Lakh}
3 {Dont Mess Up My Tempo} EXO 02-11-2018 Dance.R&B.K-pop 39:10 Korean.Manderin {SM Entertainment} {Lee Soman} {One million copies}