Roll No and Name -20BCE526_Jainil Solanki

Batch-D2D

Subject-PSC

Project Title-Audiobook Creator

Code:

This project contains one file, and also requires one PDF as a part of this project.

ProjectSourceCode.py

```
# Python audiobook project



from tkinter import *   # Importing the GUI named tkinter


def close_window():
    root.destroy()  # Destroying the main window

 # Creating the tkinter window


root = Tk()
root.title("P.S.C AudioBook Project")
frame = Frame(root)
frame.pack()
bottomframe = Frame(root)
bottomframe.pack( side = BOTTOM )
redbutton = Button(frame,  command=close_window)  # The window will get closed by the command
redbutton.pack( side = LEFT)
img=PhotoImage(file="F:\P.S.C\Audiobook Project\\button.gif")
redbutton.config(image=img)


# Adding widget to the root window

Label(root, text='Project: Audiobook', font=('Comic Sans MS', 25)).pack(side=TOP, pady=10)
# other stylish fonts can be used here too
```

```
photo = PhotoImage(file=r"F:\P.S.C\Audiobook Project\\audiobook.gif")  # Creating a photoimage object to use image . JPEG wouldn't work here

Button(root, image=photo).pack(side=TOP)  # Setting image in button
root.mainloop()

# Executing the command for text to speech

import pyttsx3
import PyPDF2
engine = pyttsx3.init()  # Object creation
rate = engine.getProperty('rate')
print (rate)  # Printing the current voice rate
engine.setProperty('rate', 185)   # Setting up the new voice rate
volume = engine.getProperty('volume')
print (volume)  # Printing the current volume level
engine.setProperty('volume',1.0)  # Setting up the volume level between 0 and 1
voices = engine.getProperty('voices')
engine.setProperty('voice', voices[0].id)
from tkinter.filedialog import *
book=askopenfilename()
pdfreader=PyPDF2.PdfFileReader(book)
pages=pdfreader.numPages
for num in range(0,pages):
    page=pdfreader.getPage(num)
    text=page.extractText()
    player=pyttsx3.init()
    player.say(text)
    player.runAndWait()
engine.save_to_file(text, 'Audiobook.mp3')   # Saving the voice to a file
engine.runAndWait()
print("Your audiobook file has been generated as an mp3 file. Check the project file directory for getting the file.")
```

test.pdf

This a file used for testing purpose. It is used to check the audio rate and the clarity of the voice. This project is used to create Audiobooks from a PDF file. There are 8 mental as well as physical benefits of Audiobooks.

1.) Audiobooks build crucial listening skills.
2.) Audiobooks help reduce negative thinking.
3.) Audiobooks have the same benefits of Reading.
4.) Audiobooks Help relax our eyes.
5.) Directly impacts our sleep.
6.) Audiobooks improve time management.

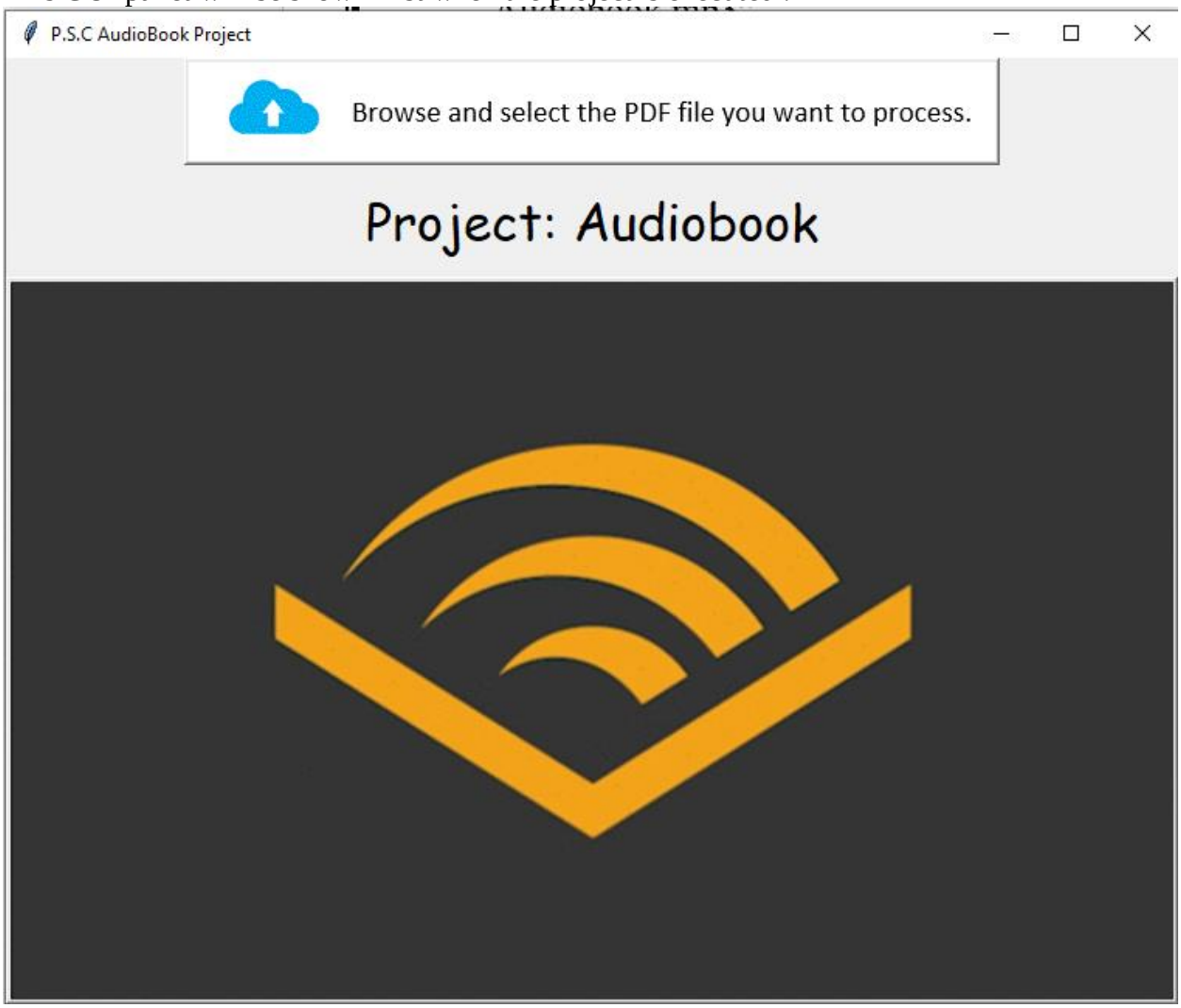
7.) Audiobooks help build Literacy skills.
8.) Audiobooks immerse you in another world.

How to use:

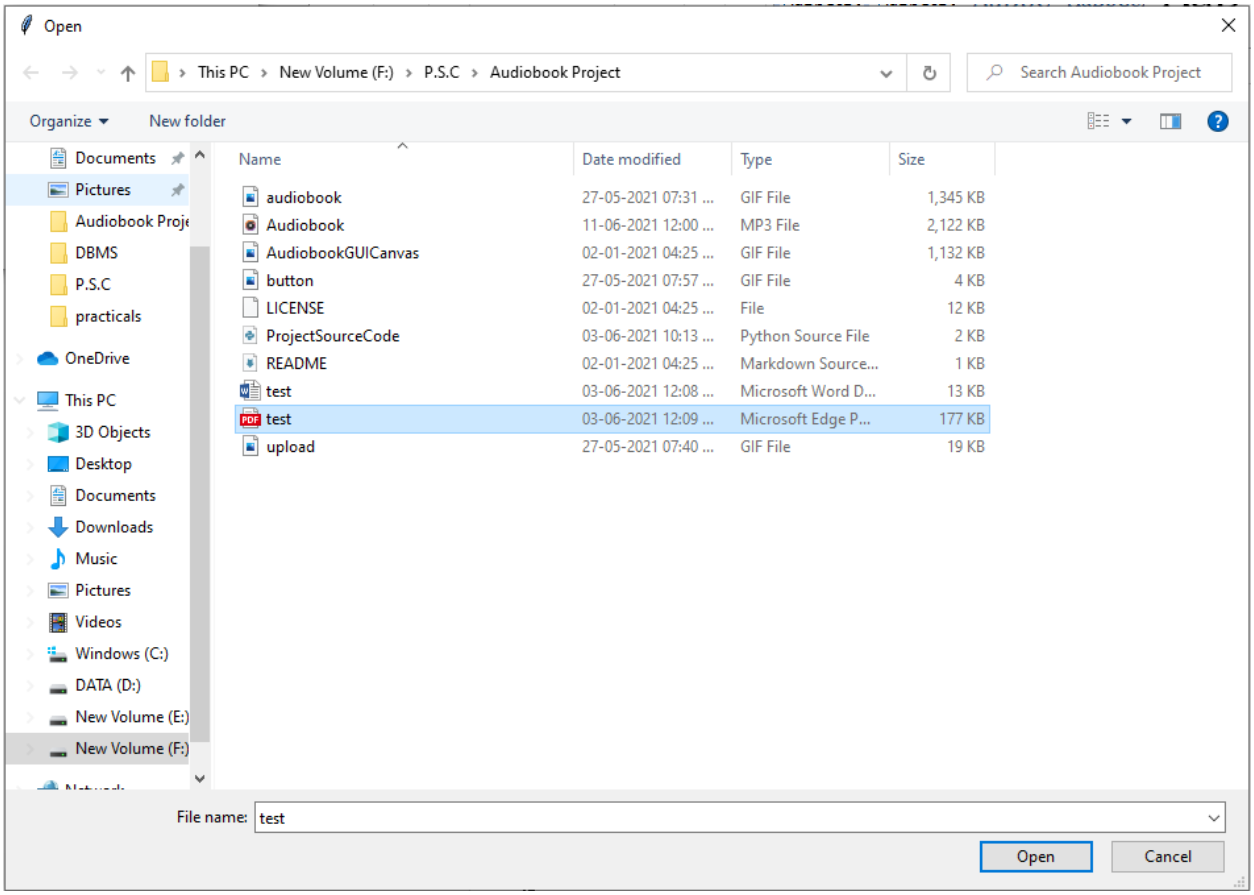
Execute the **PythonSourceCode.py** file, a GUI pallet will open click on “Browse and select the PDF file you want to process” button a dialog box will open to select a pdf file select the pdf file you want to process. It will then narrate the pdf file entirely and then will store the audiobook generated from the same pdf file in the current directory itself. The name of the audiobook file generated will be “Audiobook.mp3”.

Output:

This GUI pallet will be shown first when the project is executed .



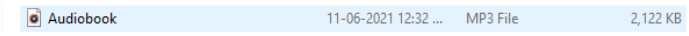
After clicking the Browse and select the PDF file you want to process this dialog box will appear. Select the PDF file you want to process.

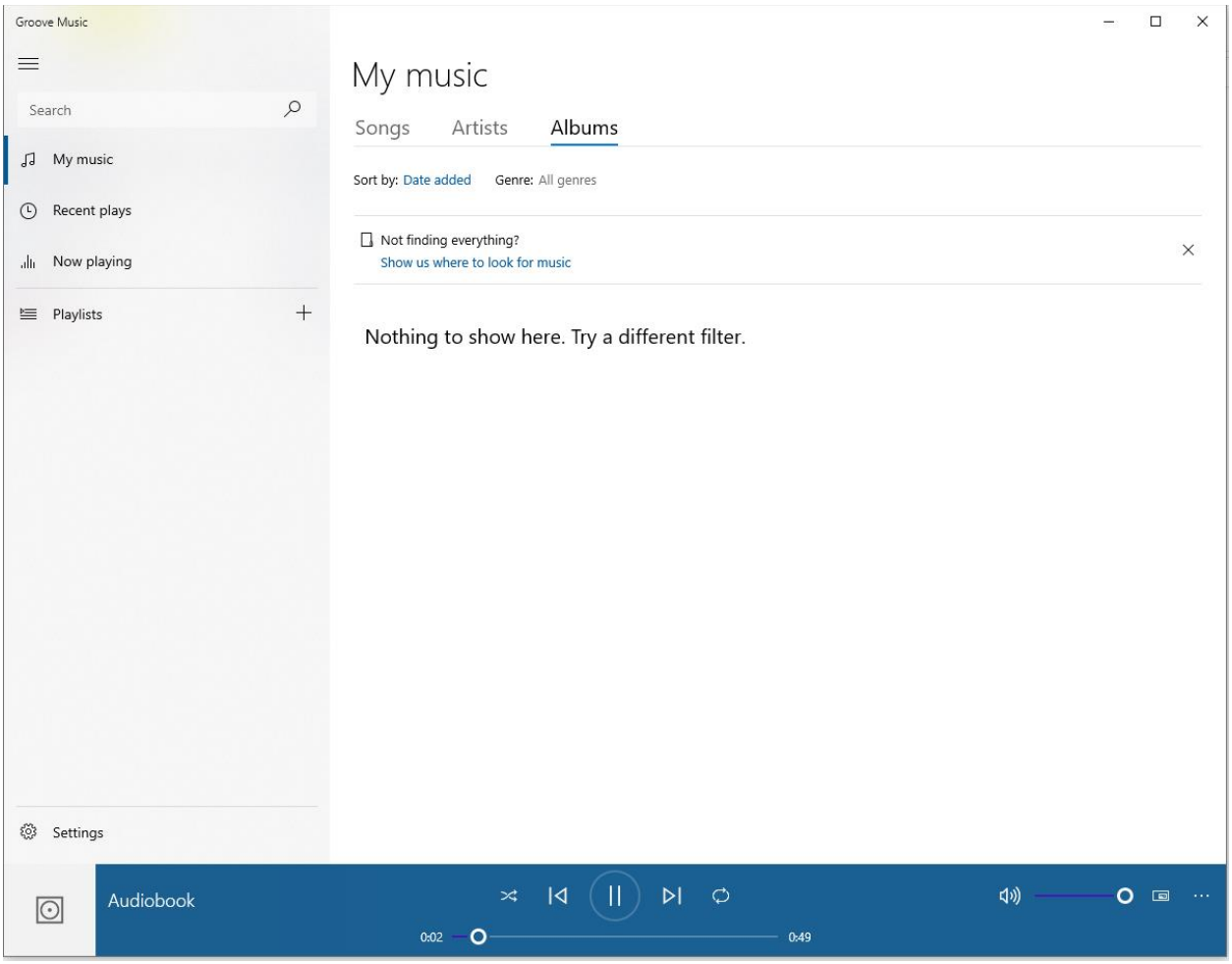


Once you select the PDF file it will narrate the PDF file entirely then a message will be shown that audiobook has been generated successfully.

```
200
1.0
Your audiobook file has been generated as an mp3 file. Check the project file directory for getting the file.
```

The generated Audiobook file in the current directory.





Conclusion:

As there are many benefits in listening Audiobook files. You can calm your mind while listening Audiobook also our project is able to create Audiobook of PDF of any size and with any number of pages so it will be helpful to create any Audiobook file. So everyone would take the benefits of Audiobooks.