Computer Science Project
2021-22

Notes Making App

Name: Chinmaya Sa

Roll No.: 12655597

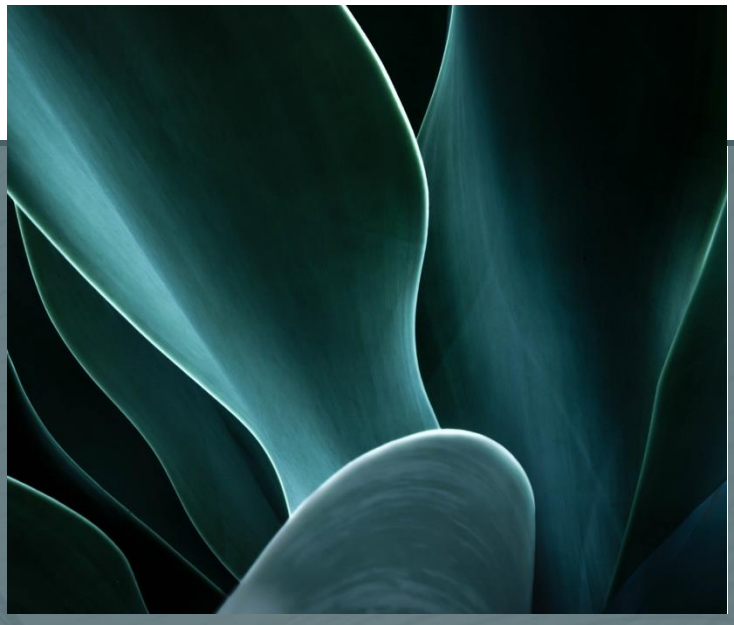
Class: XII

CERTIFICATE

This is to certify that the computer science project titled 'Notes Making App' is a work done by Chinmaya Sa of class 12th in the academic session of 2021-22, in the partial fulfilment of curriculum of C.B.S.E.'s AISSCE examination 2021-22.

Signature of
External examiner

Signature of
Internal examiner



ACKNOWLEDGEMENT

I would like to express special thanks of gratitude to my teacher, Mr. Soroj Chowdhry to give me opportunity to work on the project of computer science on topic, ‘Notes Making App’, which helped me to gain more knowledge and to build my practical thinking. It was very exciting and helpful. I would also like to thank my family members and my friends, who helped me to work on this project. I am also thankful to the entire computer science department of our school, for their support and cooperation.

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Introduction

In this program has been made to ease the way of notes making in different fields. After executing the program, the program listens to the user and whatever the user says, it stores that as a string data type and then it saves it in a file with .txt extension. This is a small program with only 45 lines of code. This program has a few prerequisites such as one should have the basic knowledge of python programming, how to use a module, how if-else ladder works, how loops work, etc.

This program uses the concept of chapters: “Working With Functions”, “Using Python Libraries” and “File Handling” of class XII(Term1 Syllabus).

Code

```
import speech_recognition as sr

# empty string
note = ""

# Functions
def takeNotes():
    '''It takes microphone input from the user and returns a string output'''

    global note
    recogniser = sr.Recognizer()
    with sr.Microphone() as source:
        print("Listening...")
        recogniser.pause_threshold = 1
        audio = recogniser.listen(source)

        try:
            print("Recognizing...")
            note = recogniser.recognize_google(audio, language="en-in")
            # print(note)
        except Exception:
            pass

def writeNotes():
    '''Writing the notee in the text file'''

    global note
    with open("notes.txt", "a+") as file:
        file.writelines(note)
        print("Notes written !")


if __name__ == '__main__':
    takeNotes()
    writeNotes()

    while True:
        ask = input("Do you want to take more inputs?[y/N]: ")
        if ask == "y":
            takeNotes()
            writeNotes()
        if ask == "N":
            print("Thanks For using us !")
            break
```

```python
import speech_recognition as sr

# empty string
note = ""

# Functions
def takeNotes():
    '''
It takes microphone input from the user and returns a string out
put
'''

    global note
    recogniser = sr.Recognizer()
    with sr.Microphone() as source:
        print("Listening ... ")
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        audio = recogniser.listen(source)

        try:
            print("Recognizing ... ")
            note = recogniser.recognize_google(audio, language="
en-in")
            # print(note)
        except Exception:
            pass

def writeNotes():
    '''Writing the notee in the text fil '''
       e
    global note
    with open("notes.txt", "a+") as file:
        file.writelines(note)
        print("Notes written  ")
              !

if __name__ == '__main__':
    takeNotes()
    writeNotes()

    while True:
        ask = input("Do you want to take more inputs?[y/N]: ")
        if ask == "y":
            takeNotes()
            writeNotes()
        if ask == "N":
            print("Thanks For using us  ")
            break  !

```

Modules Used

1. beautifulsoup4==4.10.0
2. certifi==2021.10.8
3. charset-normalizer==2.0.7
4. comtypes==1.1.10
5. docopt==0.6.2
6. idna==3.3
7. Js2Py==0.71
8. packaging==21.2
9. pipwin==0.5.1
10. PyAudio
11. pyjsparser==2.7.1
12. pyparsing==2.4.7
13. pypiwin32==223
14. PyPrind==2.11.3
15. pySmartDL==1.3.4
16. pyttsx3==2.90
17. pytz-deprecation-shim==0.1.0.post0
18. pywin32==302
19. requests==2.26.0
20. six==1.16.0
21. soupsieve==2.3.1
22. SpeechRecognition==3.8.1
23. tzdata==2021.5
24. tzlocal==4.1
25. urllib3==1.26.7

SAMPLE OUTPUT

Terminal Output:

```
(venv) PS E:\Computer Project Class 12> python main.py
Listening...
Recognizing...
Notes written !
Do you want to take more inputs?[y/N]: N
Thanks For using us !
(venv) PS E:\Computer Project Class 12>
```

---

notes.txt:

hey what's your buddy but I'm back to screen technicals finally we have completed the project so I am going to work on the locksso what do you think what should we do now hey let's do it It's the time to go to sleeplet's check it outthis is the computer project of 2021 2022

CONCLUSION

From this project we can conclude that programs make our live easier and productive, if this type of program can be used in our day-today lives, think how much time can be saved by this.