

```
"""
```

## 12. Voice based Email service for visually challenged people:

The main benefit of this system is that the use of keyboard is completely eliminated,

the user will have to respond through voice and mouse click only.

```
"""
```

```
# Required Modules
```

```
import pyttsx3
```

```
import smtplib
```

```
import speech_recognition as sr
```

```
# Changing The Default (Male) Voice To Female Voice For Output
```

```
Voice = pyttsx3.init()
```

```
voices = Voice.getProperty('voices')
```

```
Voice.setProperty('voice', voices[1].id)
```

```
Voice.setProperty("rate", 150)
```

```
Voice.runAndWait()
```

```
try:
```

```
    # Config the Server ('smtp.gmail.com' , 587) for Gmail
```

```
    server = smtplib.SMTP('smtp.gmail.com' , 587)
```

```
    # Enabling The Secure Server Connection
```

```
    server.starttls()
```

```
# User Gmail Account and Password
```

```
server.login("Email ID", "Password")
```

```
print("From\nEmail ID\n")
```

```
# Asking the user for input
```

```
pyttsx3.speak("To whom you want to send email")
```

```
# speech recognition using Google Speech To Text API
```

```
listener = sr.Recognizer()
```

```
with sr.Microphone() as source:
```

```
    print("Listening...")
```

```
    listener.adjust_for_ambient_noise(source)
```

```
    InputFromUser = listener.listen(source, None, 10)
```

```
    command = listener.recognize_google(InputFromUser)
```

```
    EmailTo = str(command).lower().replace(" at ", "@").replace(" ", "")
```

```
    print("To\n" + EmailTo + "\n")
```

```
# Asking the user for input
```

```
pyttsx3.speak("Tell me the text in your email")
```

```
# speech recognition using Google Speech To Text API
```

```
listener = sr.Recognizer()
```

```
with sr.Microphone() as source:
```

```
    print("Listening...")
```

```
    listener.adjust_for_ambient_noise(source)
```

```
InputFromUser = listener.listen(source)
command = listener.recognize_google(InputFromUser)
Content = str(command)
print("Content\n" + Content + "\n")
```

```
# Collects User Input And Send Email Through SMTPLIB(Python)
```

```
server.sendmail\("Email ID", EmailTo, Content\)
```

```
pyttsx3.speak("Email sent Successfully!")
```

```
print("Email sent Successfully!")
```

```
# If Any Error Accurs This Command Will Notify the User
```

```
except Exception as Error:
```

```
    pyttsx3.speak("Something Went Wrong!")
```

```
    print(Error)
```