SYSTEM MONITORING THROUGH SPEECH RECOGNITION

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import speech_recognition as sr
import os
print('1.Systemmontoring\n2.Textencryptionand decryption\n')
b=int(input('enter your option:'))
if b==1:
    print('1.Music \n2.Pictures\n3.Downloads\n4.Documents\n5.Videos\n6.softwares')
    a=int(input('enter your option:'))
    if(a==1):
        print('1.vida1.mp3 \n2.vidya2.mp3 \n3.vidy3.mp3 \n5.one.mp3 \n6.three.mp3\n')
        r=sr.Recognizer()
        with sr.Microphone() as source:
          print('Say Something')
          audio=r.listen(source)
          d=r.recognize_google(audio)
          print(d)
          if d=='1':
            os.startfile('C:\\Users\\User\\Music\\vv\\vidya1.mp3')
          elif d=='2':
            os.startfile('C:\\Users\\User\\Music\\vv\\vidya2.mp3')
          elif d=='3':
            os.startfile('C:\\Users\\User\\Music\\vv\\vidya3.mp3')
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        elif d=='4':
            os.startfile('C:\\Users\\User\\Music\\vv\\one.mp3')
        elif d=='5':
            os.startfile('C:\\Users\\User\\Music\\vv\\two.mp3')
        elif d=='6':
            os.startfile('C:\\Users\\User\\Music\\vv\\three.mp3')
        else:
            pass
elif(a==2):
    print('1.sam \n2.Rasi \n3.Niveda\n4.Korean\n')
    r=sr.Recognizer()
    with sr.Microphone() as source:
        print('Say Something')
        audio=r.listen(source)
        d=r.recognize_google(audio)
        print(d)
        if(d=='Sam'):
            os.startfile('C:\\Users\\User\\Pictures\\Actors\\sam.jpg')
        elif(d=='Rasi'):
            os.startfile('C:\\Users\\User\\Pictures\\Actors\\rasi.jpg')
        elif(d=='Niveda'):
            os.startfile('C:\\Users\\User\\Pictures\\Actors\\nivedha.jpg')
        elif(d=='Korean'):
            os.startfile('C:\\Users\\User\\Pictures\\Actors\\korean.jpg')
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            else:
                pass
    elif(a==3):
        print('\n1.projects \n2.exe files \n3.dld \n4.books \n')
        r=sr.Recognizer()
        with sr.Microphone() as source:
            print('Say Something')
            audio=r.listen(source)
            d=r.recognize_google(audio)
            print(d)
            if(d=='project'):
                os.startfile('C:\\Users\\User\\Downloads\\project')
            elif(d=='exe'):
                os.startfile('C:\\Users\\User\\Downloads\\exe')
            elif(d=='DLD'):
                os.startfile('C:\\Users\\User\\Downloads\\dld')
            elif(d=='books'):
                os.startfile('C:\\Users\\User\\Downloads\\books')
            else:
                pass
    elif(a==4):
        print('\n1.dm \n2.flat \n3.lecture \n4.math \n5.cpp \n')
        r=sr.Recognizer()
        with sr.Microphone() as source:
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        print('Say Something')
        audio=r.listen(source)
        d=r.recognize_google(audio)
        print(d)
        if(d=='DM'):
            os.startfile('C:\\Users\\User\\Documents\\dm.pdf')
        elif(d=='flat'):
            os.startfile('C:\\Users\\User\\Documents\\flat.pdf')
        elif(d=='lecture'):
            os.startfile('C:\\Users\\User\\Documents\\lecture.pdf')
        elif(d=='mat'):
            os.startfile('C:\\Users\\User\\Documents\\math.pdf')
        elif(d=='CPP'):
            os.startfile('C:\\Users\\User\\Documents\\cpp.pdf')
        else:
            pass
elif(a==5):
    print('\n1.ts\n2.karthikeya \n3.u turn \n4.vidya vox \n')
    r=sr.Recognizer()
    with sr.Microphone() as source:
        print('Say Something')
        audio=r.listen(source)
        d=r.recognize_google(audio)
        print(d)
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            if(d=='TS'):
                os.startfile('C:\\Users\\User\\Videos\\videos\\ts.mp4')
            elif(d=='Karthikeyan'):
                os.startfile('C:\\Users\\User\\Videos\\videos\\karthikeya.mp4')
            elif(d=='U turn'):
                os.startfile('C:\\Users\\User\\Videos\\videos\\uturn.mp4')
            elif(d=='Vidya vox'):
                os.startfile('C:\\Users\\User\\Videos\\videos\\vidya vox.mp4')
            else:
                pass
    elif(a==6):
        print('\n1.Firefox\n2.Google chrome\n3.Shareit\n4.Dev c++')
        r=sr.Recognizer()
        with sr.Microphone() as source:
            print('Say Something')
            audio=r.listen(source)
            d=r.recognize_google(audio)
            print(d)
            if(d=='Firefox'):

os.startfile('C:\\Users\\User\\Downloads\\exe\\softwares\\Mozilla Firefox')
            elif(d=='Google Chrome'):

os.startfile('C:\\Users\\User\\Downloads\\exe\\softwares\\Google Chrome')
            elif(d=='shareit'):
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os.startfile('C:\\Users\\User\\Downloads\\exe\\softwares\\SHAREit')
            elif(d=='Dev'):
                os.startfile('C:\\Users\\User\\Downloads\\exe\\softwares\\Dev-C++')
            else:
                pass
elif b==2:
    r=sr.Recognizer()
    with sr.Microphone() as source:
        print('Say Something')
        audio=r.listen(source)
        pt1=r.recognize_google(audio)
        print('original text:')
        print(pt1)

s=['a','b','c','d','e','f','g','h','i','j','k','l','m','n','o','p','q','r','s','t','u','v','w','x','y','z']
        index=[]
        ks=[]
        ct=[]
        ct2=[]
        pt2=[]
        for j in range(len(pt1)):
            for i in range(len(s)):
                if(pt1[j]==s[i]):
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            index.append(i)
        key=int(input('Enter any number as key:'))
        ks.append(key)
        for i in range(0,len(index)-1):
           ks.append(index[i])
        for i in range(len(ks)):
           ct.append((ks[i]+index[i])%26)
        print('cipher text:')
        print(ct)
        for i in range(len(ct)):
           ct2.append((ct[i]-ks[i])%26)
        for i in range(len(ct2)):
           pt2.append(s[ct2[i]])
        print('Original plainext:')
        print(pt2)
else:
    pass
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