

→ ADVANCE - PYTHON - MODULES. (* * *)

(•) Counter :-

⇒ From. collection import Counter.
* It counts no. of repeating elements in string or list.
Eg a=Counter(string)
Print(a).

→ For words in string :-

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Var = string.split()  
Counter(Var)
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(•) DATE - TIME :-

⇒ import Date-time.

* Used for date and time.

⇒ Declaration :-

-) date time. date time. time. (set time)
-) " " . date (set date)
-) " " . now() → give time at present.
-) " " . date(today) → " present date"
-) " " .

(•) Regular - Expression:-

⇒ import re

* for comparing. Var , string in string with
different functions:

-) re. search (Var , string)
-) re. findall (Var , string)

→ True if re.compile(Var). findall(string)

→ No " " if show no.

(*) Import OS :-

→ shut down :-
os. system (" shutdown is 1 + 1").

→ To open directory :-

dir = " Location "

os. start file (os. path. join (dir))

→ To list things of dir :-

Var = os. list dir (dir)

* to access .join (dir, Var [num])

(*) Import Wikipedia :-

* to search anything on Wikipedia.

Var = wikipedia. summary (string, sentence > " ^ ")
print (Var).

(*) Import Web browser :-

* to open a website in web - browser.

⇒ web browser. open (" site link")

(*) From random import rand (int, word) :-

rand int (0, range) → gives random no.

rand word (0, range) → .. word of
ranged length.

(•) Import Pyttsx3 :-

* Converts text to speech.

1.) Create engine to execute command :-

engine = pyttsx3.init('sapi5')
↳ Voice module.

2.) get Voices :-

voices = engine.getproperty('voices')

3.) Set - Voice :-

engine.setproperty('voice', voices[0])
voices[0].id
↑ man
↓ woman.

4.) speak :-

engine.say(var). Usually string.

engine.runAndwait().

(•) Import speech - recognition as sr :-

* Takes voice command, and changes to text.

1.) Declaring a recognizer

var = sr.Recognizer()
(rec)

2.) Source of Voice :-

with SM. Microphone as Source:

3.) listening :-

variable = var.listen(source)
(audio) ↳ with source

4.) Convert to text :-

query = r.recognize_google(variable, lang='hi-in')

(.) Import smtplib, SSL - (e mail sending) ⑥

→ Message = """
 Subject:
 msg : \n """

→ Setting Server :-

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

→ starting Server :-

 server.starttls(context = ssl.create_default_context())

 server.login("senderemail", "its password")

 server.sendmail("sender email.", mail, message).

 server.close()