ATLAS:

Hey, do you ever wonder what if you have an assistant to do some small things on your laptop just by typing some small words or a sentence?

1. Example: can you draw something for me? (opens MSPaint)
2. Example: I need to do some editing. (opens photoshop)
3. Example: Is it a beautiful day? (Tells you the day.)
4. Example: can you play some videos for me? (opens youtube)
5. Example: let's do some scrolling. (opens Instagram)
6. Example: I'm in a party mood. (opens window media player)

Here I present you ATLAS.

This is a very simple code in python and the work is authentic and not copied from any of the websites. It requires a lot of work to do to handle every critical statement. For starters, you need to give your name as an input.

Then ATLAS can tell/open:

1. What time, date, month, weekday, or year it is?
2. Opening Gmail, Instagram, Whatsapp, youtube.
3. MS office tools like Excel, Word, PowerPoint, Outlook, Infopath, Onenote, MSgroove.
4. Notepad, snipping tool, photoshop, MSPaint, Calculator, Acrobat PDF reader, control panel.
5. Windows media player, VLC, Chrome browser.

Importing OS module.

- If os module is not avaiable in your enviroment then please install using : #### pip install os

```
In [ ]:  import os
```

Importing pyttsx3 module.

- If pyttsx3 module is not avaiable in your enviroment then please install using : #### pip install pyttsx3 ## USE of this module:

1. To convert text to speech and making the code more interactive.
2. We can just simply use SPEAK function from pyttsx3 module. To do that, run the following command. #### from pyttsx3 import speak

```
In [ ]:  from pyttsx3 import speak
```

Importing Datetime module.

- If Datetime module is not avaiable in your enviroment then please install using : #### pip install datetime

USE of this module:

1. To deal with date and time.
2. To make it more user friendly, we can just use the datetime function from datetime module. To do tha, run the following command. #### from datetime import datetime

Today() function:

This function allows to see the present date.

Accessing elements of datetime like:

1. Minutes

2. Hours
3. Day
4. weekday(Name of the day)
5. Month
6. year #### To Access the above elements, we can use STRFTIME() function. There are various string formatting to extract the various parts of the datetime.
7. To acceess present day or name of the day. ('%A')
8. To access hour. ('%H')
9. To access minutes. ('%M')
10. To access month name. ('%B')
11. To access the which day of month it is. ('%d')
12. To access year. ('%Y') ### Example: datetime.today().strftime('%A')

In [ ]:
```python
from datetime import datetime
```

Working:

STEP 1: Run the python code and then a prompt will ask for your name.

STEP 2: After putting your name, ATLAS will ask you how It can assist you.

STEP 3: As mentioned above, you call applications which are present in the code as well as in your desktop/laptop.

STEP 4: In order to turn off atlas, you can use any sentence containing the following keywords.

- exit
- bye
- toddles
- see ya
- see you

- quit

```python
import os
from pyttsx3 import speak
from datetime import datetime
name = input('Enter your name :')
speak('Hello,'+name+' this is Atlas. How can i assist you?')
while True:
    x = input()
    if (('time' in x) or ('clock' in x)):
        speak(datetime.today().strftime('%H hours and %M minutes'))
    elif (('name' in x) or ('who am i' in x)):
        speak('You are'+name)
    elif ('date') in x:
        speak(datetime.today().strftime('Today is %B %dth %Y'))
    elif (('day' in x) or ('weekday' in x)):
        speak(datetime.today().strftime('Today is %A'))
    elif (('year' in x) or ('Year' in x) or ('Yr' in x) or ('yr' in x
)):
        speak(datetime.today().strftime('The year is %Y'))
    elif ('month') in x:
        speak(datetime.today().strftime('The current month is %B'))
    elif (('notepad' in x) or ('editor' in x) or ('text' in x) or ('tx
t' in x) or ('note' in x) or ('Note' in x)):
        speak('Do you want to name your file? Press Enter if No.')
        file = input('Enter file name: ')
        os.system('notepad'+' '+file)
    elif (('chrome' in x) or ('browser' in x) or ('google' in x) or ('s
urfing' in x)):
        speak('Which website do you want me to search??')
        website = input('Enter wesbite: ')
        os.system('chrome'+' '+website+'.com')
    elif (('videos' in x) or ('mp4' in x) or ('youtube' in x)):
        speak('Here is what i have found.')
        os.system('start chrome youtube.com')
    elif (('scrolling' in x) or ('insta' in x) or ('gram' in x) or ('in
stagram' in x) or ('ig' in x) or ('IG' in x)):
        os.system('start chrome instagram.com')
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```python
        elif (('mail' in x) or ('gmail' in x)):
            os.system('start chrome gmail.com')
        elif (('whatsapp' in x) or ('Whatsapp' in x) or ('chatting' in x) o
r ('messages' in x)):
            os.system('chrome web.whatsapp.com')
        elif (('photoshop' in x) or ('PS' in x) or ('ps' in x) or ('photo'
in x) or ('photo editor') in x or ('editing' in x)):
            os.system('start photoshop')
        elif (('wmplayer' in x) or ('music' in x) or ('player' in x) or ('m
edia' in x) or ('party' in x)):
            os.system('start wmplayer')
        elif (('control panel' in x) or ('control' in x) or ('panel' in x
)):
            os.system('start control panel')
        elif (('vlc' in x) or ('VLC' in x) ):
            os.system('start vlc')
        elif (('paint' in x) or ('Paint' in x) or ('drawing' in x) or ('dra
w' in x)):
            speak('i never knew you like drawing')
            os.system('start mspaint')
        elif (('pdf' in x) or ('reader' in x) or ('acrobat reader' in x) or
 ('pdf reader' in x) or ('Pdf' in x) or ('read' in x)):
            os.system('acrord32')
        elif (('cal' in x) or ('calculator' in x) or ('calc' in x) or ('mat
hs' in x) or ('calculations' in x)or ('mathematics' in x)):
            speak('Well, not to show off, but i was really good in mathemat
ics in my high school')
            os.system('calc')
        elif (('msword' in x) or ('word' in x) or ('doc' in x) or ('documen
t' in x)):
            os.system('start winword')
        elif (('msoutlook' in x) or ('Outlook' in x) or ('outlook' in x)):
            os.system('start outlook')
        elif (('ppt' in x) or ('presentation' in x) or ('slides' in x) or (
'powerpoint' in x)):
            os.system('start powerpnt')
        elif (('Access' in x) or ('msaccess' in x) or ('access' in x)):
            os.system('start msaccess')
        elif (('excel' in x) or ('datbase' in x) or ('spreadsheet' in x) or
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```python
    ('spreadsheets' in x) or ('msexcel' in x)):
            os.system('start excel')
        elif (('onenote' in x) or ('Onenote' in x) or ('msonenote' in x) or
    ('Msonenote' in x)):
            os.system('start onenote')
        elif (('msgroove' in x) or ('groove' in x) or ('Msgroove' in x)):
            os.system('start groove')
        elif (('infopath' in x) or ('msinfopath' in x)):
            os.system('start infopath')
        elif (('snip' in x) or ('snippingtool' in x) or ('Snip' in x)):
            os.system('start snippingtool')
        elif (('exit' in x) or ('bye' in x) or ('see ya' in x) or ('toodle
    s' in x) or ('quit' in x)
            or ('see you' in x)  or ('Quit' in x)  or ('See you' in x) or
    ('see ya' in x)  or ('Exit' in x)
            or ('Bye' in x)  or ('Toodles' in x)):
            speak('See you tomorrow'+' '+name+'have a nice day ahead')
            break
        else:
            speak("i don't understand what are you asking me to do.")
```