

BASIC VIRTUAL ASSISTANT

Project by – Kaamil Savla

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1. WHAT IS A VIRTUAL ASSISTANT

A **VIRTUAL ASSISTANT**, also know as **AI assistant** or digital **assistant**, is an application program that understands natural language and completes tasks for the user.

It is like a real assistant which can make your life simpler by doing simple task for the user and helping him.

2. POPULAR VIRTUAL ASSISTANTS

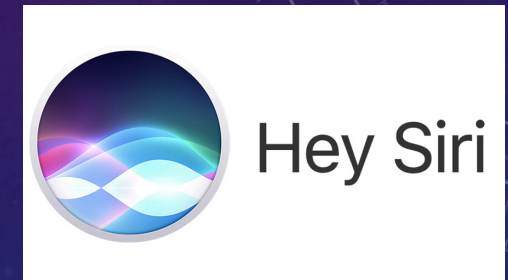
Amazon Alexa

Google Assistant

Apple Siri

Microsoft Cortana

Samsung Bixby

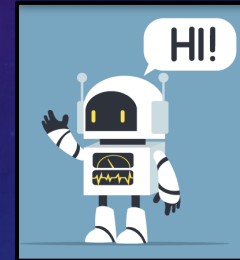


3. BASIC WORKING



Takes the
Wakeup word to
wake the VA

VA wakes up
and is ready
to take input
command



User gives a
command in
normal high
level language

The task is
performed

After
understanding the
task the VA
performs it and
makes a output

Now it searches for
some keywords and
tries to understand
what the user wants
it to perform

VA converts this
to machine
understandable
language

4. FEATURES OF VIRTUAL ASSISTANT.

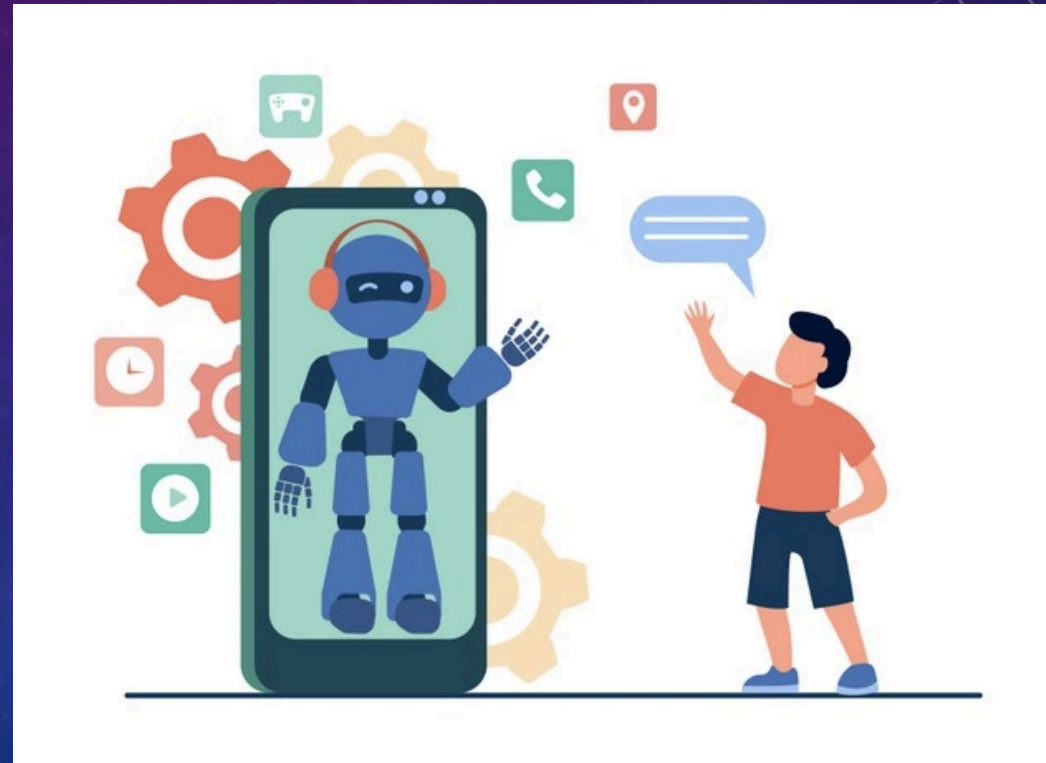
- It can tell you the current date and time.
- It can search on google for you.
- It can play music for you.
- It can greet you with a message.
- It can do a web search for you.



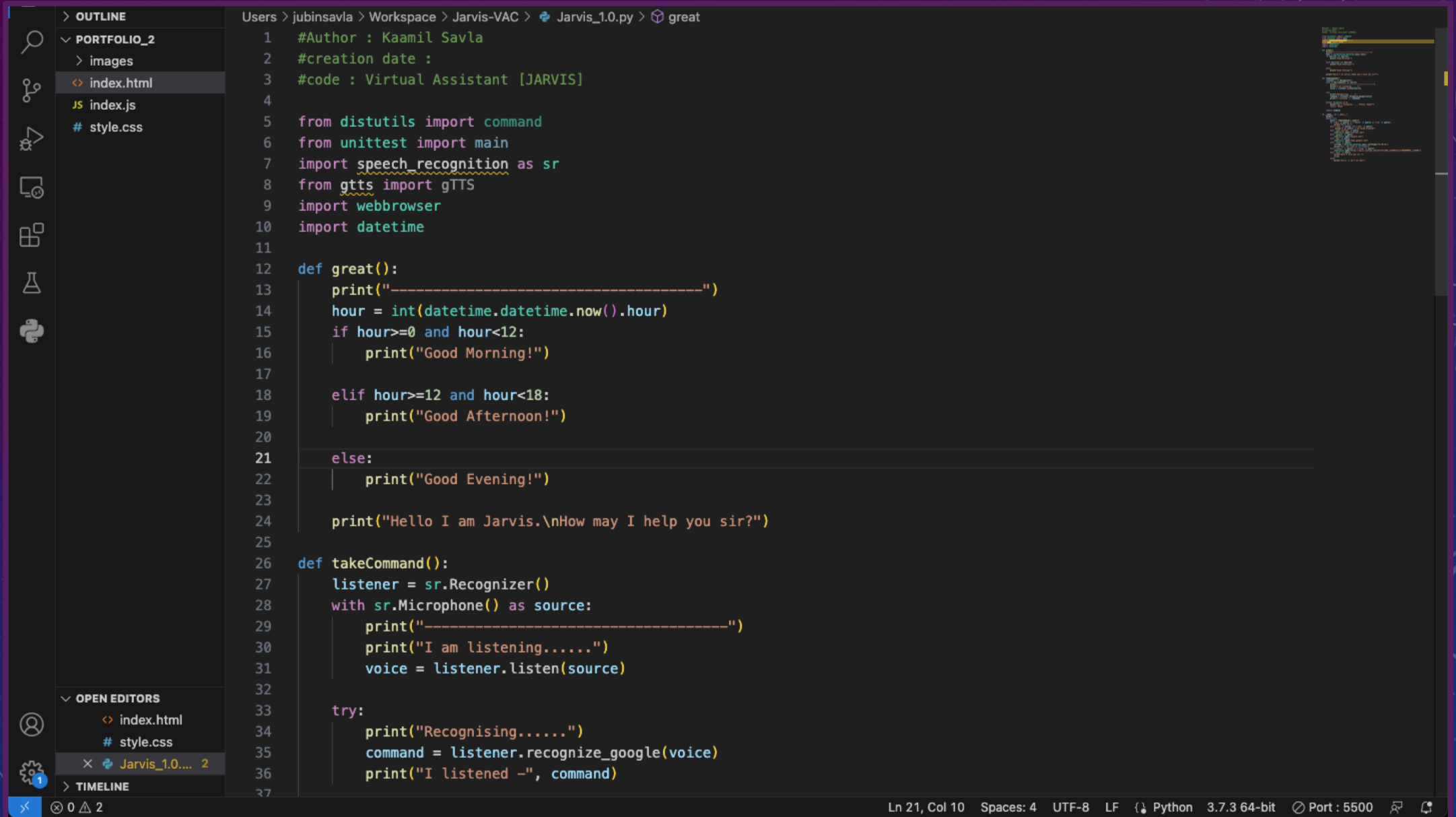
5. FUTURE OF AI BASED VIRTUAL ASSISTANTS.

Virtual assistants are quickly evolving to provide more capabilities and value to users.

Future's virtual assistants will be built with more advanced computing technologies, which will allow them to carry out multistep command and perform more complex tasks.



6. JARVIS



```
Users > jubinsavla > Workspace > Jarvis-VAC > Jarvis_1.0.py > great
1  #Author : Kaamil Savla
2  #creation date :
3  #code : Virtual Assistant [JARVIS]
4
5  from distutils import command
6  from unittest import main
7  import speech_recognition as sr
8  from gtts import gTTS
9  import webbrowser
10 import datetime
11
12 def great():
13     print("-----")
14     hour = int(datetime.datetime.now().hour)
15     if hour>=0 and hour<12:
16         print("Good Morning!")
17
18     elif hour>=12 and hour<18:
19         print("Good Afternoon!")
20
21     else:
22         print("Good Evening!")
23
24     print("Hello I am Jarvis.\nHow may I help you sir?")
25
26 def takeCommand():
27     listener = sr.Recognizer()
28     with sr.Microphone() as source:
29         print("-----")
30         print("I am listening.....")
31         voice = listener.listen(source)
32
33     try:
34         print("Recognising.....")
35         command = listener.recognize_google(voice)
36         print("I listened -", command)
37
```

Ln 21, Col 10 Spaces: 4 UTF-8 LF Python 3.7.3 64-bit Port : 5500

***THANK
YOU***

