**TITLE:**

CARA -Your amigo

An intelligent personal Assistant

**AIM:**

To develop an intelligent personal virtual assistant enabled with voice automation.

**DESCRIPTION:**

The aim of our project is to design a virtual assistant with voice input and output that can perform basic functions like web browsing, playing music, ordering food etc. On interfacing with sensors and hardware it performs home automation features also.

**SOFTWARES USED:**

* Enterprise Architect- UML Modeling
* Visual Studio Code- implementation
* Python is the language used

**FEATURES ADDED:**

We have added the additional functionality of Home Automation including Fire alarm system Device control management and Camera control.

**FUNCTIONS:**

* Search the web
* Map queries
* Play music
* Pay video
* Open applications
* Set alarms, reminders
* Control devices
* Monitor through cameras
* Monitor fire alarm system

**PROBLEM STATEMENT:**

Design an intelligent personal virtual assistant enabled with voice automation that assists people in their routines. The Virtual Assistant operates in three layers, such as Speech to text, Text Analyzing and Commands Interpreting. The functionalities rendered by Cara includes

* Web Search
* Home Automation (Controlling home appliances)
* Set Alarms
* Set Reminders
* Map queries
* Play music
* Pay video
* Open applications
* Monitor through cameras
* Monitor fire alarm system

**USE CASE DIAGRAM**

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**DOMAIN MODEL**

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**CLASS DIAGRAM**

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**SEQEUNCE DIAGRAM**

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**STATE DIAGRAM**

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**ACTIVITY DIAGRAM**









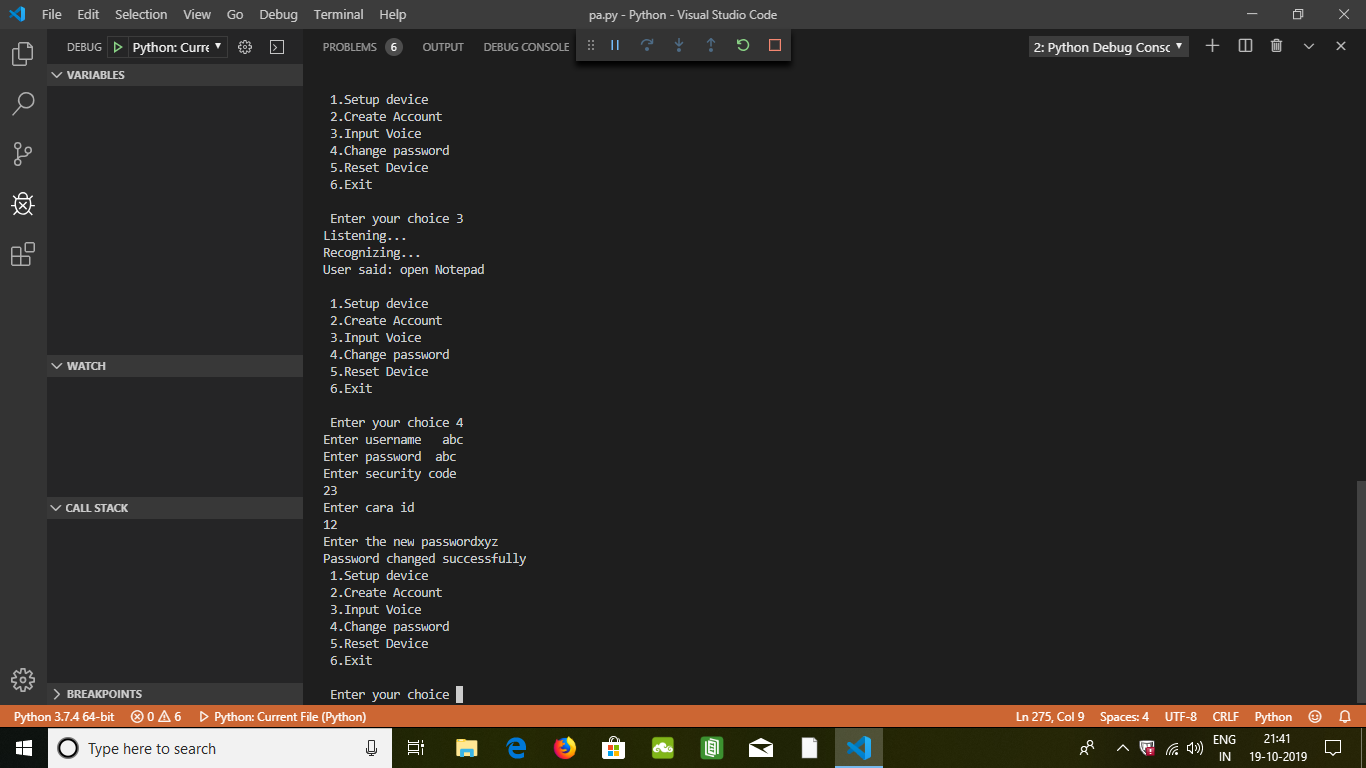
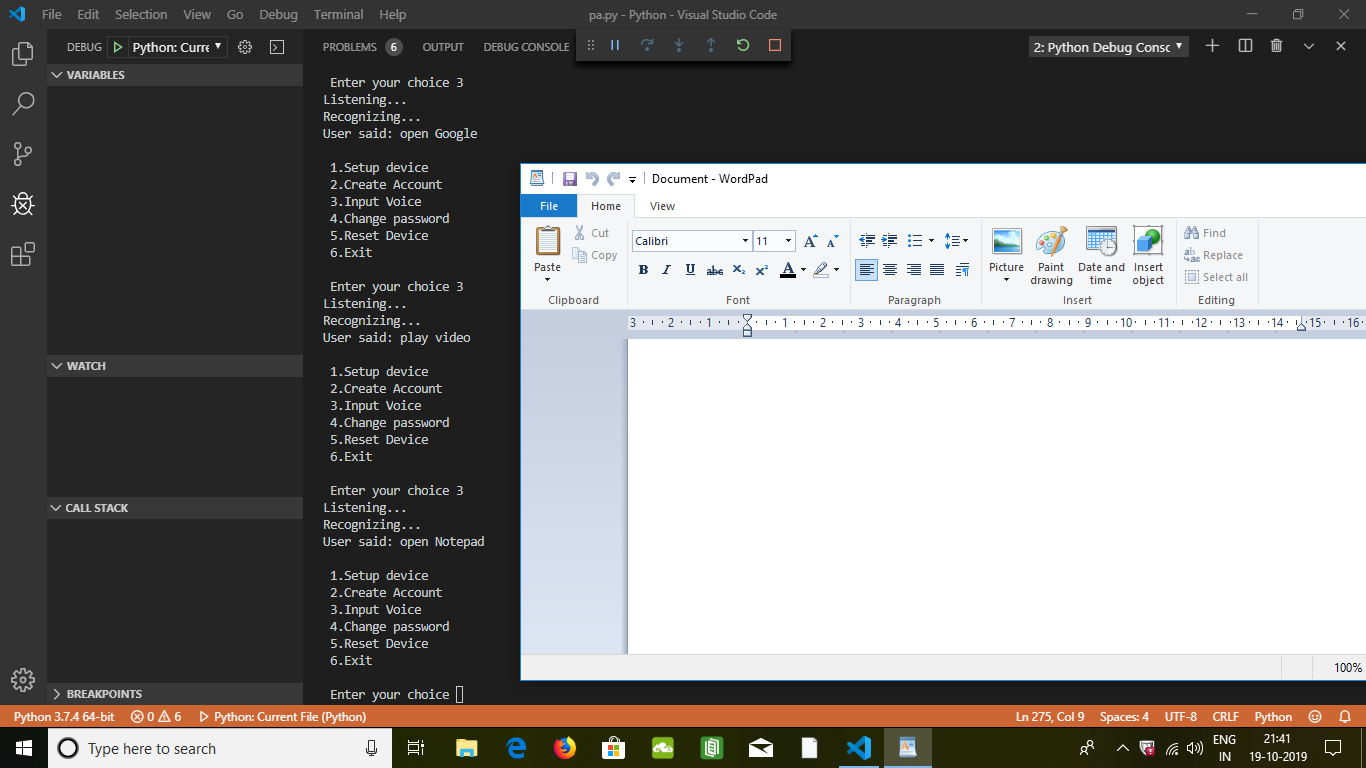
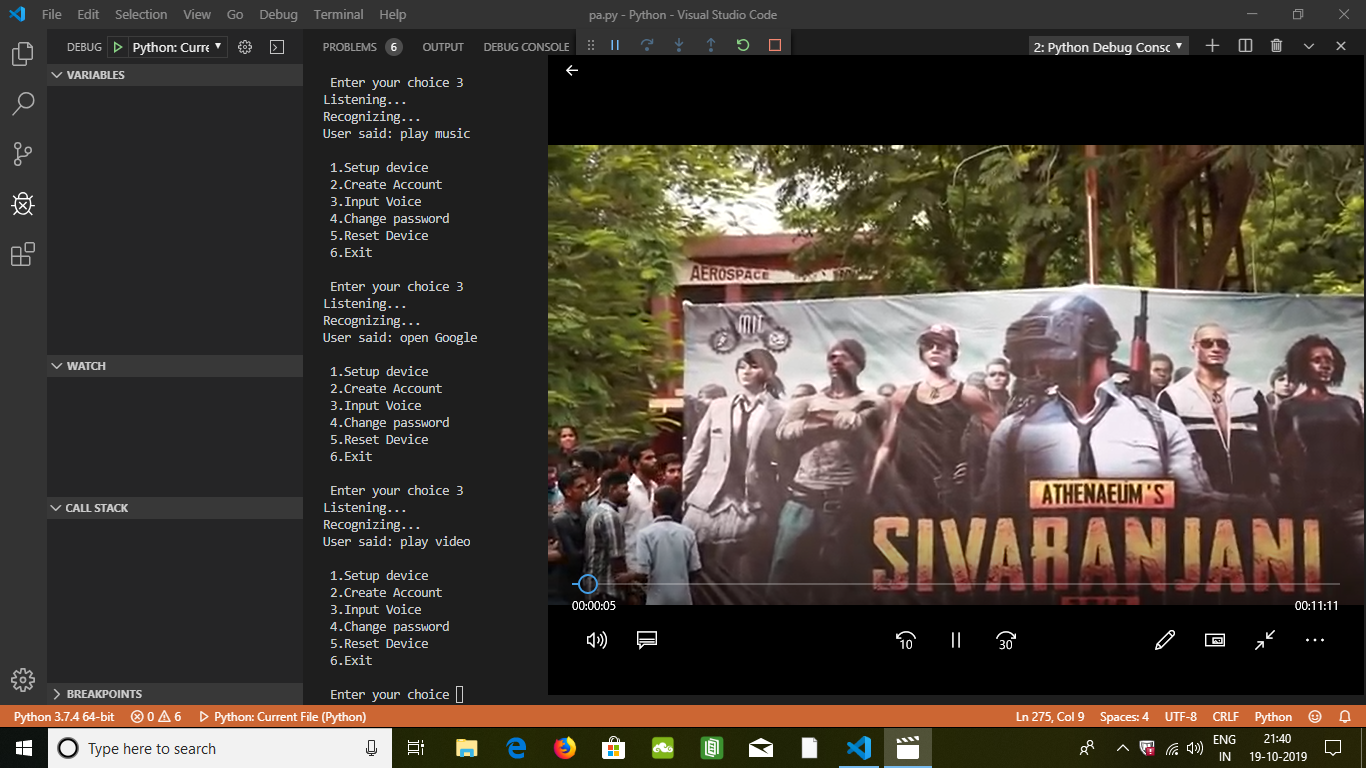
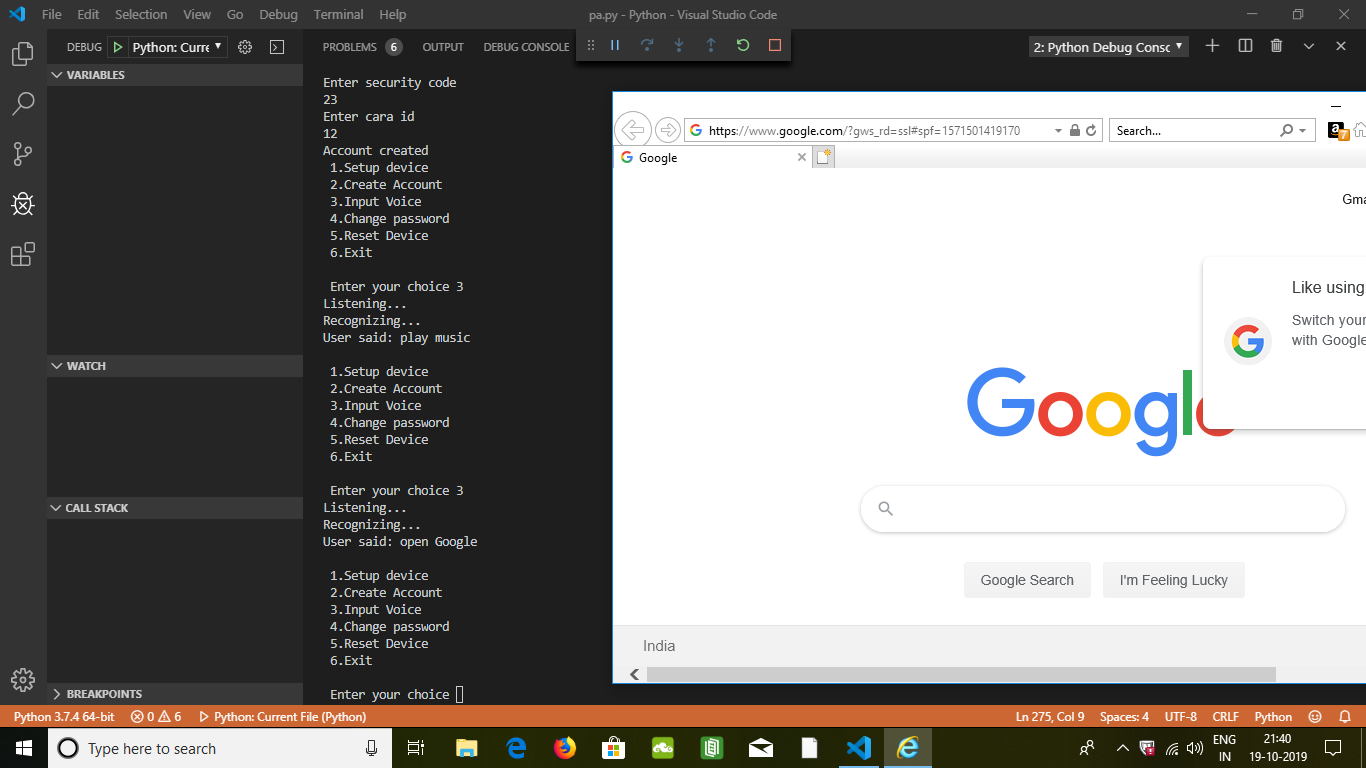
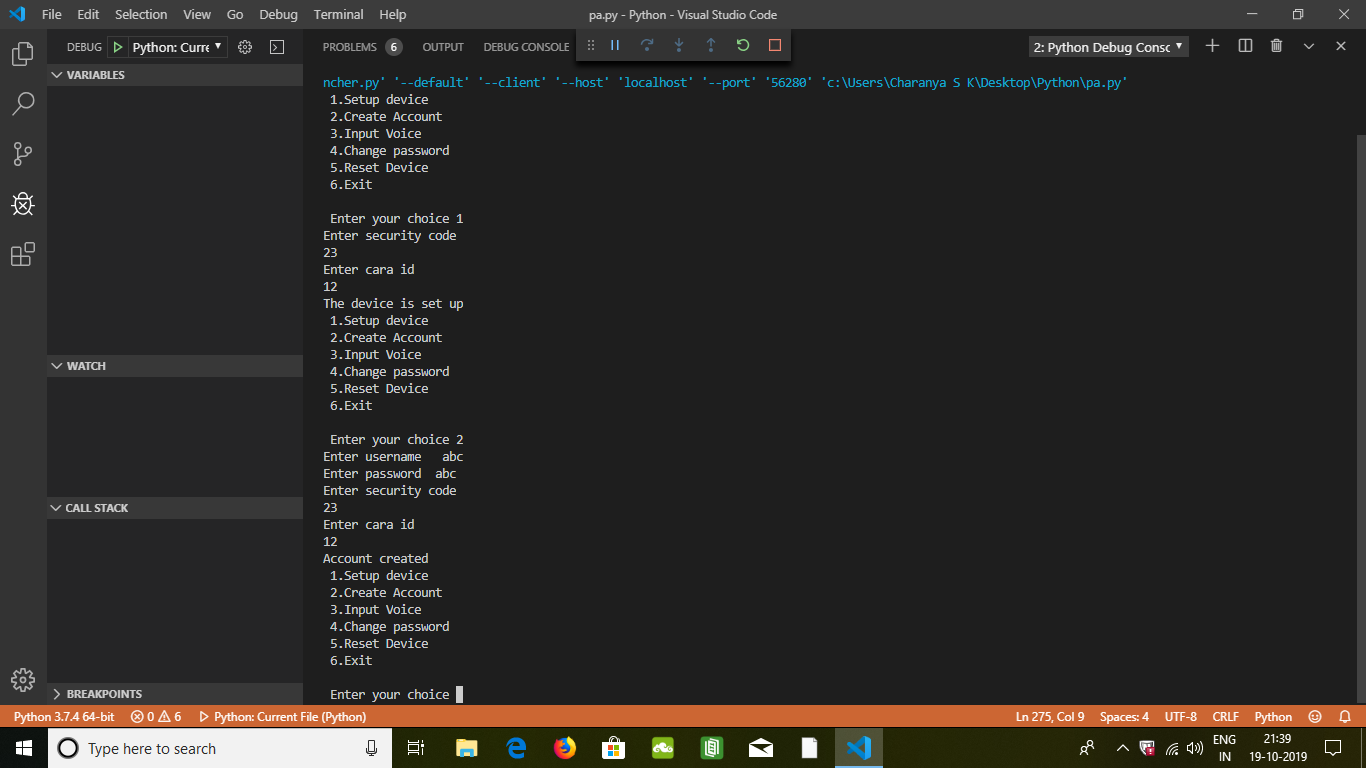




**PACKAGE DIAGRAM**

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**SCREENSHOTS OF OUTPUT**

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