PROGRAMMING PROJECT

# J.A.R.V.I.S VOICE COMMAND

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TEAM DETECTIVE CLUELESS

# Background...

## INTELLIGENT PERSONNAL ASSISTANT

- Basic tasks
- Replace keyboard & mouse

## VOICE RECOGNITION

- Speech recognition
- NLP (Natural Language Processing)

## INNOVATION

- Time-saving
- Increase productivity
- Useful & easy to manipulate by anyone

# Decrypting the code...

```
speak('I am Jarvis, your personal assistant. What can I do for you ? ')


def myCommand():

    r = sr.Recognizer()
    with sr.Microphone() as source:
        print("Listening...")
        r.pause_threshold =  1
        audio = r.listen(source)
    try:
        query = r.recognize_google(audio, language='en-in')
        print('User: ' + query + '\n')

    except sr.UnknownValueError:
        speak('Sorry Amber! I didn\'t get that! Try typing the command!')
        query = str(input('Command: '))

    return query
```

## PROBLEMS ENCOUNTERED

- VPN related issues
- The need of dowloaded packages
- Sensitivity of keywords

## LIMITS

- Limited to simple tasks
- Dependent of Wikipedia & Wolfram data
- Limited to gmail
- Need of a good microphone

## PERKS

- Easily customizable
- Simple of use
- J.A.R.V.I.S is not limited to English

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Sometimes you gotta run before you can walk.

TONY STARK REFERRING TO LAB SESSIONS

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