**Student ID:** 18101003

**Student Name:** Rakin Mohammad Sifullah

**Project Name:** Voice to Binary Conversion using C/Python/Java

**Programming Language:** Python

**Libraries used:** join, playsound(), Recognizer()

**System Requirements:** Python, PyCharm

**Algorithm (Python):**

Step 1: Start PyCharm

install pip3 install SpeechRecognition pydub,

pip3 install playsound

Step 2:

import speech\_recognition as sr  
import binascii  
from playsound import playsound

Step 3: Declare audio file

Step 4: Print audio in text

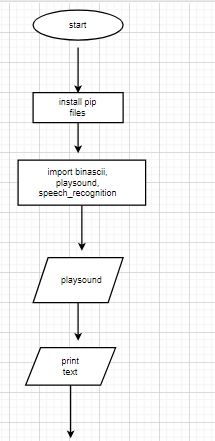
Step 4: Print text in binary

Step 5: Convert string to binary using “Join” function

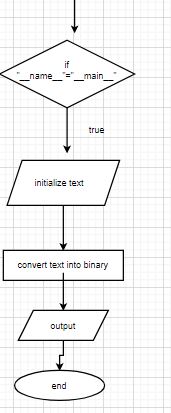
Step 6: Print the Binary Representation

**Flowchart:**

Part 1

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Part-2

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**Source Code / Screenshot of code**:

import speech\_recognition as sr  
import binascii  
from playsound import playsound  
  
filename = "here-i-come.wav"  
playsound(filename)  
  
r = sr.Recognizer()  
  
with sr.AudioFile(filename) as source:  
 audio\_data = r.record(source)  
 text = r.recognize\_google(audio\_data)  
 print(text)  
  
 if \_\_name\_\_ == "\_\_main\_\_":  
 text\_to\_convert = text  
 print(str(text\_to\_convert))  
 text\_in\_bin = ''.join(format(ord(i), 'b') for i in text)  
 print(str(text\_in\_bin))

**Output (Screenshot):**

