**Audio TO Text (https://youtu.be/Efs7WZ8i1t4)**

**spring AI Documentation -(**<https://docs.spring.io/spring-ai/reference/api/audio/transcriptions/openai-transcriptions.html>)

1) add OpenAI dependency through spring Initializer

2) Generate Api key from OpenAI

3) add the Generated key in project-> application. Properties

- **syntax**: spring.ai.openai.api-key=${Key}

4) Make a class Controller or AudioArc Controller

5) Add annotations ABOVE the class- **@RestController**

**- @RequestMapping("/api/AudioArc")**

6) Create an Object of OpenAiAudioTransciptionModel

7) create Constructor and initialize with APIKEY

8) use @**Value** to get value of Api Key which is in application. Properties

9) syntax/ code - package com.AudioArc;

import org.springframework.ai.openai.OpenAiAudioTranscriptionModel;

import org.springframework.ai.openai.api.OpenAiAudioApi;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RestController;

import org.springframework.beans. factory.annotation.Value;

@RestController

@RequestMapping("/api/AudioArc")

public class AudioArcController {

private final OpenAiAudioTranscriptionModel transcriptionModel;

public AudioArcController(@Value("${spring.ai.openai.api-key}")String apiKey) {

OpenAiAudioApi openAiAudioApi = new OpenAiAudioApi(apiKey);

this.transcriptionModel = new OpenAiAudioTranscriptionModel(openAiAudioApi);

} } **-- refer springAI documentations**