import requests  
import json  
  
# Asana API key and project ID  
ASANA\_API\_KEY = "YOUR\_API\_KEY"  
PROJECT\_ID = "YOUR\_PROJECT\_ID"  
  
# URL of the Asana task to update  
TASK\_URL = f"https://app.asana.com/api/1.0/tasks/{TASK\_ID}"  
  
# YouTube API key and base URL for searching for videos  
YOUTUBE\_API\_KEY = "YOUR\_API\_KEY"  
YOUTUBE\_BASE\_URL = "https://www.googleapis.com/youtube/v3/search"  
  
# Read the thumbnail URL from Asana  
response = requests.get(TASK\_URL, headers={"Authorization": f"Bearer {ASANA\_API\_KEY}"})  
task\_data = response.json()  
thumbnail\_url = task\_data["data"]["attachments"][0]["url"]  
  
# Search for YouTube videos with the same thumbnail  
params = {  
 "key": YOUTUBE\_API\_KEY,  
 "q": thumbnail\_url,  
 "type": "video",  
 "part": "id,snippet",  
 "fields": "items(id(videoId),snippet(publishedAt,channelId,channelTitle,title,description))"  
}  
response = requests.get(YOUTUBE\_BASE\_URL, params=params)  
results = response.json()  
  
# Extract the YouTube video URLs from the search results  
video\_urls = []  
for item in results["items"]:  
 video\_id = item["id"]["videoId"]  
 video\_url = f"https://www.youtube.com/watch?v={video\_id}"  
 video\_urls.append(video\_url)  
  
# Add the YouTube video URLs as attachments to the Asana task  
attachments = [{"url": url} for url in video\_urls]  
data = {"attachments": attachments}  
response = requests.put(TASK\_URL, headers={"Authorization": f"Bearer {ASANA\_API\_KEY}"}, json=data)

**This code uses the Asana API to read the thumbnail URL from an existing task, and then uses the YouTube API to search for videos with the same thumbnail. The resulting video URLs are then added as attachments to the same Asana task using the Asana API.**

**Note: - That you will need to replace YOUR\_API\_KEY and YOUR\_PROJECT\_ID with your own Asana API key and project ID, and TASK\_ID with the ID of the task you want to update. You will also need to replace YOUR\_API\_KEY with your own YouTube API key.**