In [3]: ▶|
```python
import pandas as pd
#اعمل عاوزه لو file excel
df = pd. read_excel(r"E:\Book1.xlsx")
df
```

Out[3]:

yasmeen   JENNEI

In [ ]: ▶|
```python
import pandas as pd
df = pd.read_excel(r"E:\Book1.xlsx")
df.to_csv(r"E:\Book1.csv") #الـ من نوع الي نوع من هحول لوtext
```

In [11]: ▶|
```python
import pandas as pd
jennei=pd.read_json(r"C:\Users\Twitter\Desktop\Jennei.json")
jennei.to_csv(r"C:\Users\Twitter\Desktop\Jennei.csv")#من هيحول json لي
```
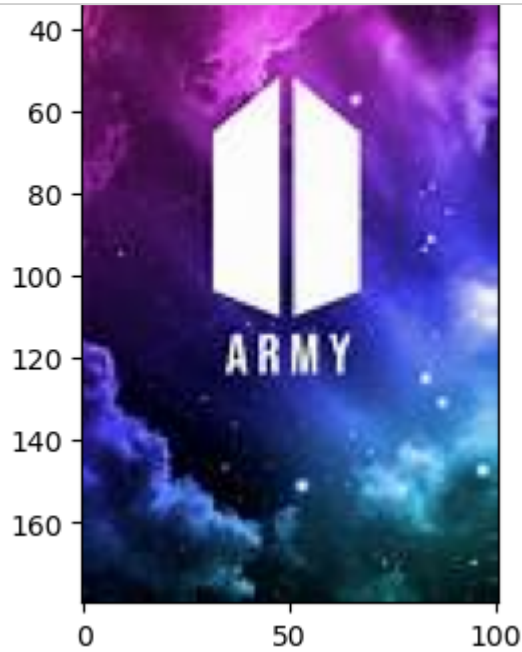
In [13]: ▶|
```python
import pandas as pd
sr=pd.read_json(r"C:\Users\Twitter\Desktop\Jennei.Json")
sr.to_xml(r"C:\Users\Twitter\Desktop\Jennei.xml")
```

In [15]: ▶|
```python
import pandas as pd
kem=pd.read_xml(r"E:\Jennei.xml")
kem.to_csv(r"E:\Jennei.csv")
```

In [1]: ▶|
```python
import pandas as pd
y=pd.read_csv(r"E:\Jennei.csv")
y.to_json(r"E:\Jennei.json")
```

text انواع 6 ليها CSV, XLSX, TXT, HTML,json,PDF

In [1]:
```python
import cv2
import matplotlib.pyplot as plt
img = cv2.imread(r"E:\th (1).jpeg")# متغير ايسمه img
rgg=cv2.cvtColor(img,cv2.COLOR_BGR2RGB)# لو عاوزه اظهر اللون الحقيقي
plt.imshow(rgg)
```
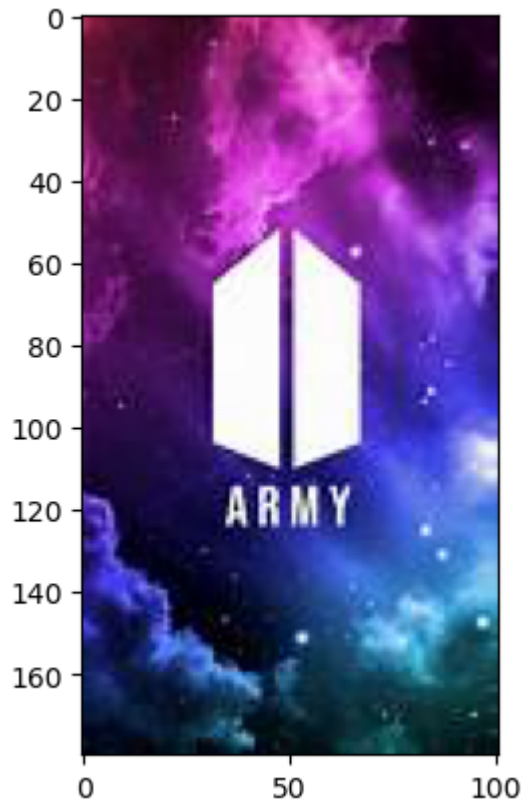

In [2]:
```python
pip install opencv-python# بنزل المكتبه
```

```
Requirement already satisfied: opencv-python in c:\users\twitter\ana
conda3\lib\site-packages (4.9.0.80)
Requirement already satisfied: numpy>=1.21.2 in c:\users\twitter\ana
conda3\lib\site-packages (from opencv-python) (1.24.3)
Note: you may need to restart the kernel to use updated packages.
```

In [ ]:
```python
pip insall matplotlib
```

In [13]:
```python
import skimage
win=skimage.io.imread(r"E:\th (1).jpeg")
plt.imshow(win)#عشان اقرأ الصوره
```

Out[13]: `<matplotlib.image.AxesImage at 0x14c97ee8450>`

In [3]:
```python
#من png jpeg لو عاوزه احول الصوره من
import cv2
y=cv2.imread(r"E:\th (1).jpeg")
y=cv2.imwrite("E:\th (1).png",y)
```

In [3]:
```python
pip install pillow
#تنزيل مكتبهpillow
```

```
Requirement already satisfied: pillow in c:\users\twitter\anaconda3
\lib\site-packages (9.4.0)
Note: you may need to restart the kernel to use updated packages.
```

In [7]:
```python
from PIL import Image

image_path = (r"C:\Users\Twitter\Downloads\images (19).jpg")
im = Image.open(image_path)
im.show()#يفعل عمليه استرداد للصوره   مش مهم
```

In [5]: ▶|
```python
import cv2

cap = cv2.VideoCapture(r"C:\Users\Twitter\Desktop\Jennie\jeney\Alan Wa

while(cap.isOpened()):
    ret, frame = cap.read()

    cv2.imshow("video", frame)
    if cv2.waitKey(75) & 0xFF == ord('P'):
        break

cap.release()
cv2.destroyAllWindows()
```

In [3]: ▶|
```python
!pip install pydub
```

Requirement already satisfied: pydub in c:\users\twitter\anaconda3\l
ib\site-packages (0.25.1)

In [5]: ▶|
```python
import pydub #فيديوا الي فيديوا من

s=pydub .AudioSegment.from_mp3(r"C:\Users\Twitter\Desktop\Jennie\jeney
s.export(r"C:\Users\Twitter\Desktop\Jennie\jeney\Alan Walker - Lily (ة
```

◀ ▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭   ▶

Out[5]: <_io.BufferedRandom name='C:\\Users\\Twitter\\Desktop\\Jennie\\jeney
        \\Alan Walker - Lily (مترجمة) ft. K-391 & Emelie Hollow.mp3'>

In [ ]: ▶|
```
anaconda prompet
conda install -c conda-forge ffmpeg
```

In [14]: ▶|
```python
!pip install pydub
```

Requirement already satisfied: pydub in c:\users\twitter\anaconda3\l
ib\site-packages (0.25.1)
Note: you may need to restart the kernel to use updated packages.

!pip install ffmpeg !pip install pydub

In [ ]: ▶|
```python
#اعرف ايه انواع فرمات الصور
#عرف انواع الصوت و ايه   انواع الصوت
#اعرف ايه انواع الفيديوا و ازاي اعمل تحويل من نوع الي نوع
#اشوف انواع الانوتاشن في unit 2
#
```

In [ ]: ▶|
```python
import cv2
cap=cv2.VideoCapture()
```

In [ ]: ▶|
```python
#ازاي احول من صوت الي نوع صوت تاني
#ونفس الكود اقدر احول من نوع فيديو لفيديو تاني
import subprocess
subprocess.call(["ffmpeg","-i",r"C:\Users\Twitter\Desktop\Jennie\jeney
```
◀   ▶

In [1]: ▶|
```python
!pip install ffmprg
```

```
WARNING: Ignoring invalid distribution -ycler (c:\users\microsoft\an
aconda3\lib\site-packages)
WARNING: Ignoring invalid distribution -ycler (c:\users\microsoft\an
aconda3\lib\site-packages)
ERROR: Could not find a version that satisfies the requirement ffmpr
g (from versions: none)
ERROR: No matching distribution found for ffmprg
WARNING: Ignoring invalid distribution -ycler (c:\users\microsoft\an
aconda3\lib\site-packages)
WARNING: Ignoring invalid distribution -ycler (c:\users\microsoft\an
aconda3\lib\site-packages)
WARNING: Ignoring invalid distribution -ycler (c:\users\microsoft\an
aconda3\lib\site-packages)
```

In [7]: ▶|
```python
from pydub import AudioSegment

# قم بتحميل ملف MP3
y = AudioSegment.from_mp3(r"C:\Users\Twitter\Downloads\Tate McRae - gr

# قم بتصديره كملف WAV
y.export(r"C:\Users\Twitter\Downloads\Tate McRae - greedy (Official Vi
#من احول عاوزه لو Audio الي audio
```

Out[7]:
```
<_io.BufferedRandom name='C:\\Users\\Twitter\\Downloads\\Tate McRae
- greedy (Official Video).wav'>
```

In [11]: ▶|
```python
import subprocess
```

Out[11]:
```
<function subprocess.call(*popenargs, timeout=None, **kwargs)>
```

In [15]: ▶|
```python
#import librosa
#import librosa.display
from IPython.display import Audio

path = r"C:\Users\Twitter\Downloads\Tate McRae - greedy (Official Vide
Audio(path)
#لعرض الملف الصوتي
```

Out[15]:

                0:00 / 0:00

In [17]: ▶|
```python
from PIL import Image

img_png = Image.open(r"C:\Users\Twitter\Downloads\images (18).jpg")
rgb_im = img_png.convert('RGB')
rgb_im.save(r"C:\Users\Twitter\Downloads\images (18).png")
```

In [3]: ▶|
```python
import cv2
png_img = cv2.imread(r"C:\Users\Twitter\Downloads\images (17).jpg")
cv2.imwrite(r"C:\Users\Twitter\Downloads\images (17).jpg", png_img)
```

Out[3]: True

BY Yasmeen Hassan

In [ ]: ▶|