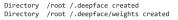```python
import cv2
import matplotlib.pyplot as plt
from deepface import DeepFace
# /content/download.jpg   , 'gender', 'race', 'emotion'
# read image
img = cv2.imread("/content/download.jpg")

# call imshow() using plt object
plt.imshow(img[:,:,::-1])

# display that image
plt.show()

storing the result

result1 = DeepFace.analyze(img,actions=['emotion'])

print(result1)
```

```
Directory /root /.deepface created
Directory /root /.deepface/weights created
```



```
facial_expression_model_weights.h5 will be downloaded...
Downloading...
From: https://github.com/serengil/deepface_models/releases/download/v1.0/facial_expression_model_weights.h5
To: /root/.deepface/weights/facial_expression_model_weights.h5
100%|██████████| 5.98M/5.98M [00:00<00:00, 222MB/s]
Action: emotion: 100%|██████████| 1/1 [00:00<00:00,  1.86it/s]
[{'emotion': {'angry': 4.600015037855727e-05, 'disgust': 4.3142003919485865e-10, 'fear': 0.02805441574569306, 'happy': 9.515636770053295
```

```
!pip install deepface
```

```
Requirement already satisfied: scipy>=1.7 in /usr/local/lib/python3.9/dist-packages (from jax>=0.3.15->tensorflow>=1.9.0->deepface) (1
Requirement already satisfied: MarkupSafe>=2.0 in /usr/local/lib/python3.9/dist-packages (from Jinja2>=3.0->Flask>=1.1.2->deepface) (2
Requirement already satisfied: tensorboard-data-server<0.8.0,>=0.7.0 in /usr/local/lib/python3.9/dist-packages (from tensorboard<2.13,
Requirement already satisfied: markdown>=2.6.8 in /usr/local/lib/python3.9/dist-packages (from tensorboard<2.13,>=2.12->tensorflow>=1.
Requirement already satisfied: google-auth<3,>=1.6.3 in /usr/local/lib/python3.9/dist-packages (from tensorboard<2.13,>=2.12->tensorfl
Requirement already satisfied: tensorboard-plugin-wit>=1.6.0 in /usr/local/lib/python3.9/dist-packages (from tensorboard<2.13,>=2.12->
Requirement already satisfied: google-auth-oauthlib<1.1,>=0.5 in /usr/local/lib/python3.9/dist-packages (from tensorboard<2.13,>=2.12-
Requirement already satisfied: soupsieve>1.2 in /usr/local/lib/python3.9/dist-packages (from beautifulsoup4->gdown>=3.10.1->deepface)
Requirement already satisfied: charset-normalizer~=2.0.0 in /usr/local/lib/python3.9/dist-packages (from requests[socks]->gdown>=3.10.
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.9/dist-packages (from requests[socks]->gdown>=3.10.1->deep
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.9/dist-packages (from requests[socks]->gdown>=3.10.1->deepface)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in /usr/local/lib/python3.9/dist-packages (from requests[socks]->gdown>=3.10.1->d
Requirement already satisfied: PySocks!=1.5.7,>=1.5.6 in /usr/local/lib/python3.9/dist-packages (from requests[socks]->gdown>=3.10.1->
Requirement already satisfied: pyasn1-modules>=0.2.1 in /usr/local/lib/python3.9/dist-packages (from google-auth<3,>=1.6.3->tensorboar
Requirement already satisfied: rsa<5,>=3.1.4 in /usr/local/lib/python3.9/dist-packages (from google-auth<3,>=1.6.3->tensorboard<2.13,>
Requirement already satisfied: cachetools<6.0,>=2.0.0 in /usr/local/lib/python3.9/dist-packages (from google-auth<3,>=1.6.3->tensorboa
Requirement already satisfied: requests-oauthlib>=0.7.0 in /usr/local/lib/python3.9/dist-packages (from google-auth-oauthlib<1.1,>=0.5
Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in /usr/local/lib/python3.9/dist-packages (from pyasn1-modules>=0.2.1->google-auth
Requirement already satisfied: oauthlib>=3.0.0 in /usr/local/lib/python3.9/dist-packages (from requests-oauthlib>=0.7.0->google-auth-o
Building wheels for collected packages: fire
  Building wheel for fire (setup.py) ... done
  Created wheel for fire: filename=fire-0.5.0-py2.py3-none-any.whl size=116952 sha256=facde492fed819e5048f470f8a7afc2673226118f2ec7464
  Stored in directory: /root/.cache/pip/wheels/f7/f1/89/b9ea2bf8f80ec027a88fef1d354b3816b4d3d29530988972f6
Successfully built fire
Installing collected packages: gunicorn, fire, mtcnn, retina-face, deepface
Successfully installed deepface-0.0.79 fire-0.5.0 gunicorn-20.1.0 mtcnn-0.1.1 retina-face-0.0.13
```

✓ 7s   completed at 11:42 PM