

# DeepFace Program

```
In [1]: from deepface import DeepFace
```

```
In [2]: result = DeepFace.analyze(img_path = "test.jpg", actions = ["emotion"])
```

```
Action: emotion: 100%|██████████  
██████| 1/1 [00:00<00:00, 6.13it/s]
```

```
In [3]: max(result[0]['emotion'].items(), key=lambda x: x[1])
```

```
Out[3]: ('neutral', 72.63409495353699)
```

## Visualizing the picture (if needed)

```
In [4]: import cv2
import matplotlib.pyplot as plt
```

```
In [5]: im = cv2.imread("test.jpg")
```

```
In [6]: plt.imshow(im[:, :, :-1])
plt.axis("off")
plt.show()
```



# Data Program

```
In [7]: import pandas as pd
```

```
In [8]: tables = pd.read_html('https://en.wikipedia.org/wiki/Mohanlal_filmography')
```

```
In [9]: df = tables[2]
df
```

Out[9]:

	Year	Title	Role	Notes	Ref.
0	1980	Manjil Virinja Pookkal	Narendran	NaN	[32]
1	1981	Sanchari	Dr. Sekhar	NaN	[33]
2	1981	Thakilu Kottampuram	Advocate Paul	NaN	[34]
3	1981	Dhanya	Mohanlal	NaN	[35]
4	1981	Dhruvasangamam	Sankarankutty	NaN	[36]
...	...	...	...	...	...
333	2023	Alone	Kalidas	NaN	[317]
334	2023	Ram: Part 1	Ram Mohan	Post-Production	[318]
335	2023	Malaikottai Vaaliban	Chemboth Simon	Filming	[319]
336	2023	Barroz: Guardian of D'Gama's Treasure	Barroz	Post-Production	[320]
337	2023	Olavum Theeravum	Baputty	Delayed for Release	[321]

338 rows × 5 columns

```
In [10]: titles = df['Title']
titles
```

Out[10]:

```
0      Manjil Virinja Pookkal
1      Sanchari
2      Thakilu Kottampuram
3      Dhanya
4      Dhruvasangamam
...
333     Alone
334     Ram: Part 1
335     Malaikottai Vaaliban
336     Barroz: Guardian of D'Gama's Treasure
337     Olavum Theeravum
Name: Title, Length: 338, dtype: object
```

```
In [11]: malayalam_movies = len(titles)
malayalam_movies
```

Out[11]: 338

```
In [12]: df1 = tables[3]
df1
```

Out[12]:

	Year	Title	Role	Language	Notes	Ref.
0	1991	Gopura Vasalile	Accordionist	Tamil	Guest appearance in the song "Keladi En Paavayae"	[322]
1	1994	Gandeevam	Captain	Telugu	Guest appearance in the song "Goruvanka Valagane"	[323]
2	1997	Iruvar	Anandan	Tamil	NaN	[324]
3	2002	Company	IG Veerappalli Srinivasan IPS	Hindi	NaN	[325]
4	2003	Pop Carn	Vikramaditya	Tamil	NaN	[326]
5	2004	Love	Mohan Nair	Kannada	NaN	[327]
6	2007	Ram Gopal Varma Ki Aag	Inspector Narasimha	Hindi	NaN	[328]
7	2008	Halla Bol	Himself	Hindi	Guest appearance	[329]
8	2009	Unnaipol Oruvan	DGP Raghavan Maarar IPS	Tamil	NaN	[330]
9	2012	Tezz	Shivan Menon	Hindi	Extended cameo	[331]
10	2014	Jilla	Shivan	Tamil	NaN	[332]
11	2015	Mythri	Mahadev Godke	Kannada	Special appearance	[333]
12	2016	Manamantha	Sai Ram	Telugu	NaN	[334]
13	2016	Janatha Garage	Sathyam	Telugu	NaN	[335]
14	2019	Kaappaan	PM Chandrakanth Varma	Tamil	NaN	[336]
15	TBA	Jailer	TBA	Tamil	Cameo; Filming	[337] [338]

```
In [13]: titles1 = df1['Title']
titles1
```

```
Out[13]: 0      Gopura Vasalile
1      Gandeevam
2      Iruvar
3      Company
4      Pop Carn
5      Love
6      Ram Gopal Varma Ki Aag
7      Halla Bol
8      Unnaipol Oruvan
9      Tezz
10     Jilla
11     Mythri
12     Manamantha
13     Janatha Garage
14     Kaappaan
15     Jailer
Name: Title, dtype: object
```

```
In [14]: other_movies = len(titles1)
other_movies
```

```
Out[14]: 16
```

```
In [15]: malayalam_movies + other_movies
```

```
Out[15]: 354
```

**Therefore, Mohanlal has acted in 354 movies across various Indian languages.**

**But wikipedia says an approximation (350+), we found the correct number (using data)**