```
import pandas as pd
import matplotlib.pyplot as plt
from wordcloud import WordCloud
from wordcloud import STOPWORDS


from google.colab import drive
df=pd.read_csv("/content/netflix_titles.csv",usecols=['cast'])
df.head()
```

	cast
0	NaN
1	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...
2	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...
3	NaN
4	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...

```
ndf=df.dropna()
ndf.head()
```

	cast
1	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...
2	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...
4	Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...
5	Kate Siegel, Zach Gilford, Hamish Linklater, H...
6	Vanessa Hudgens, Kimiko Glenn, James Marsden, ...

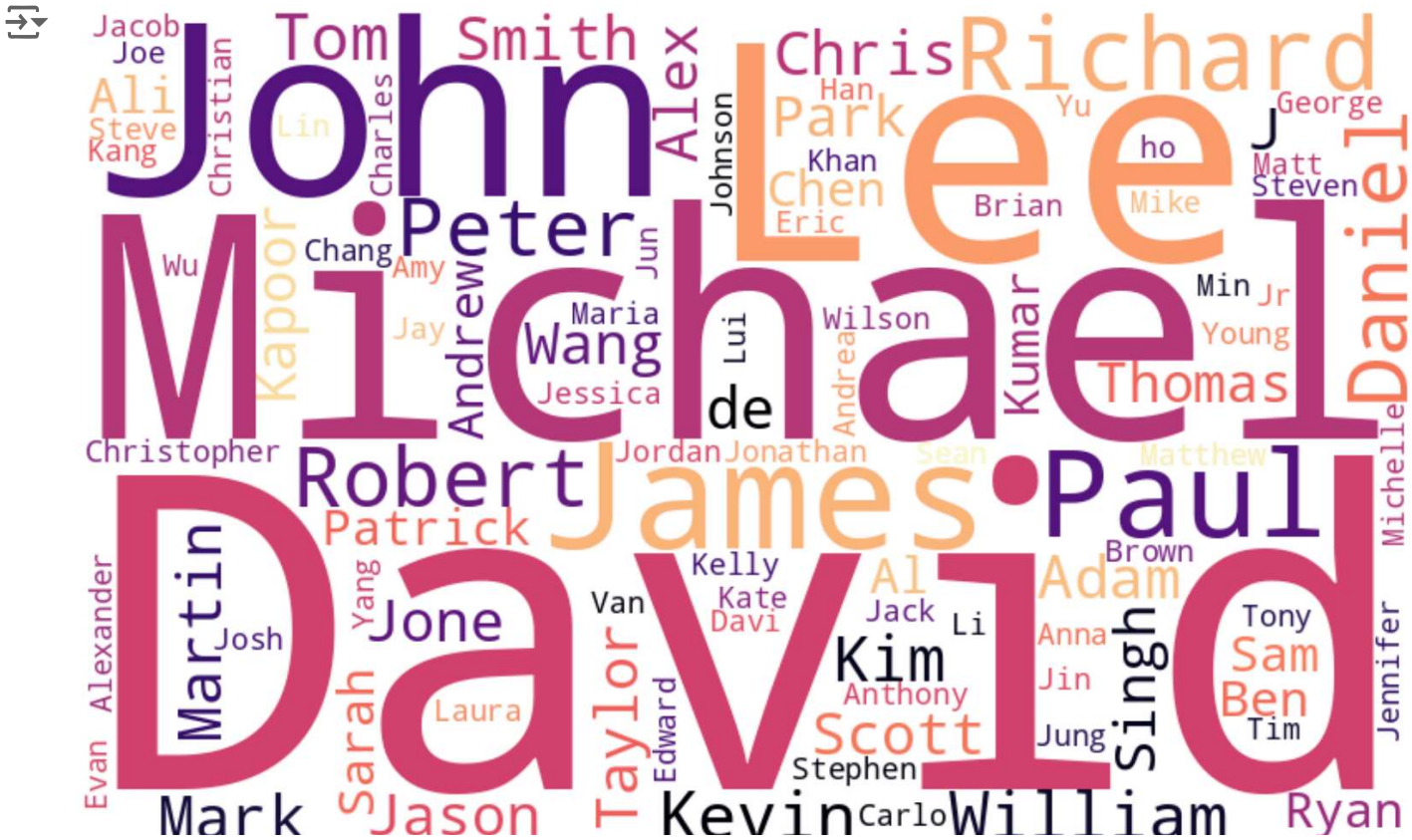
```
text="".join(item for item in ndf['cast'])
print(text)
```

```
Ama Qamata, Khosi Ngema, Gail Mabalane, Thabang Molaba, Dillon Windvogel, Natasha Thahar
```

```
stopwords = set(STOPWORDS)
```

```
WORDCLOUD = WordCloud(background_color="white")
WORDCLOUD.generate(text)
plt.imshow(WORDCLOUD, interpolation='bilinear')
plt.axis("off")
plt.margins(x=0, y=0)
plt.show()
```


```
wordcloud=WordCloud(background_color="white",max_words=100,
                    max_font_size=300,width=800,height=500,
                    colormap='magma').generate(text)
plt.figure(figsize=(20,30))
plt.imshow(wordcloud,interpolation='bilinear')
plt.axis("off")
plt.margins(x=0,y=0)
plt.savefig("cloud.jpg",format="jpg")
plt.show()
```


Jacob
Joe
John
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Chris
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Steven
Johnson
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Brian
Mike
Eric
Lee
Daniel
Michael
Peter
Wu
Chang
Amy
Jun
Kapoor
Andrew
Jay
Maria
Wang
Lui
Wilson
Min
Jr
Young
Kumar
Thomas
Jessica
de
Andrea
Christopher
Robert
Jordan
Jonathan
Sean
Matthew
James
Paul
Michelle
Patrick
David
Martin
Alexander
Yang
Kelly
Al
Adam
Brown
Van
Kate
Jack
Li
Josh
Jone
Davi
Anna
Tony
Sam
Kim
Singh
Jin
Ben
Anthony
Laura
Sarah
Taylor
Edward
Scott
Tim
Jung
Jennifer
Evan
Stephen
Mark
Jason
Kevin
Carlo
William
Ryan

```
from wordcloud import WordCloud
import matplotlib.pyplot as plt

# Assuming 'text' variable contains your input text data

# Define interpolation methods
interpolations = ['nearest', 'hanning', 'hamming', 'bicubic']

# Generate and plot word clouds for each interpolation method
plt.figure(figsize=(20, 5))
for i, interp in enumerate(interpolations):
    wordcloud = WordCloud(background_color="white",
                          max_words=100,
                          max_font_size=300,
                          width=800,
                          height=500,
                          colormap='plasma').generate(text)
```