```
pip install dash
import dash
from dash.dependencies import Input, Output
data = pd.read csv("/content/netflix titles.csv")
data.info()
data.isna().sum()
data = data.dropna()
data.isna().sum()
data['release year'] = data['date added'].str[-4:].astype(int)
tv shows = data[data['type'] == 'TV Show']
movies = data[data['type'] == 'Movie']
tv shows.groupby('release year').size().reset index(name='Count')
movies by year =
movies.groupby('release year').size().reset index(name='Count')
fig = pl.line(data_frame=tv_shows_by_year, x='release_year', y='Count',
labels={'Count': 'Number of TV Shows'},
fig.add scatter(x=movies by year['release year'],
y=movies by year['Count'], mode='lines',
```

```
fig.show()
directors count = data['director'].value counts().head(10).reset index()
directors count.columns = ['director', 'title']
fig = pl.bar(directors count, x='title', y='director', orientation='h',
with the Most Titles on Netflix',
fig.update layout(xaxis title='Number of Titles', yaxis title='Director',
coloraxis showscale=False)
fig.show()
 Incorporate tooltips or hover effects to provide additional information
directors count = data['director'].value counts().head(10).reset index()
directors count.columns = ['director', 'title']
tv shows by year = data[data['type'] == 'TV
Show']['release_year'].value_counts().sort_index()
```

```
movies by year = data[data['type'] ==
app = dash.Dash( name )
app.layout = html.Div([
   dcc.Dropdown (
       options=[
   dcc.Graph(
   dcc.Graph(
   dcc.Slider(
data['release_year'].unique()},
```

```
@app.callback(
def update figures(content type, year):
   filtered data = filtered data[filtered data['release year'] == year]
   directors count =
filtered data['director'].value counts().head(10).reset index()
           go.Bar(
                orientation='h',
```

```
'data': [
   go.Scatter(
       mode='lines+markers',
   go.Scatter(
'layout': go.Layout(
   title=f'Number of TV Shows and Movies on Netflix over the
   height=400
```