1.

MATCH (p:Person)-[:DIRECTED]-(m:Movie) RETURN distinct p.name

MATCH (p:Person)-[:ACTED\_IN]-(m:Movie) RETURN distinct p.name

2.

database = client.sample\_supplies

collection = database.sales

data1 = pd.DataFrame(list(database.sales.find()))

df = pd.concat([data1.drop(['customer'], axis=1), data1['customer'].apply(pd.Series)], axis=1)

bins=[i for i in range(0,85,5)]

df['binned'] = pd.cut(df['age'], bins)

df['binned']=df['binned'].astype('str')

a=df['binned'].value\_counts().sort\_index(ascending=True)

import plotly.graph\_objects as go

x=a.index

y=a.values

fig = go.Figure()

fig.add\_trace(go.Scatter(

x=x, y=y,

hoverinfo='x+y',

mode='lines',

fill='tonexty',

line=dict(width=0.5, color='rgb(144,238,144)'),

))

fig.update\_layout(title\_text='Distribution of Customers Ages', title\_x=0.5)

fig.update\_xaxes(title\_text='Customers Ages')

fig.show()