import pandas as pd

import seaborn as sns

import matplotlib.pyplot as plt

**The above code imports the following libraries; panda, seaborn and matloplib. These libraries are necessary in representing the data in heatmap.**

Data = pd.read\_csv('https://raw.githubusercontent.com/resbaz/r-novice-gapminder-files/master/data/gapminder-FiveYearData.csv')

**The above code imports the data for the representation directly from storage and saves it to the variable ‘Data’.**

New\_data = pd.pivot\_table(Data,values='lifeExp', index='continent', columns='year')

New\_data.columns.name = ' '

New\_data

**The above code was used to create a pivot table and sort the table in way that is representable**

New\_data = pd.DataFrame(New\_data.astype(int))

New\_data

**The above code turns the data from float into integers**

New\_data.info()

The above shows the detail of the data in the dataframe. The information is shown as Data columns, as well as the data types

plt.figure(figsize=(18,8))

sns.heatmap(data=New\_data,annot=True)

plt.title('HeatMap showing Life expectancy of continents per year')

**This code represents the data in heatmap**