**Assignment 3**

**CODE EXPLANATION:**

Variables imported:

1. **import** pandas **as** pd
2. **from** pandas **import** DataFrame
3. **import** seaborn **as** sns

Giving file path to variable file\_path

file\_path=**'C:\Users\Haravindan\Downloads\data.csv'**

df variable is used to store the values of .csv file

df = pd.read\_csv(file\_path)

The dataframe is converted into a pivot table using pivot\_table() function. The attributes are used to set index, columns, and cells of the pivot table. In the code, Age is set as index, Year is set as columns and Ratio is the values in the cells of pivot table.

pivot = df.pivot\_table(index=[**'Age'**], values=[**'Ratio'**], columns=[**'Year'**])

Seaborn is used to generate heat map of pivot table created and is saved as png file.

sns.heatmap(pivot).get\_figure().savefig(**'heatmap5.png'**)