Q: What is Seaborn?  
Ans:

*Seaborn is an open source, Python data visualisation library built on matplotlib that is tightly integrated with pandas data structures. The core component of Seaborn is visualisation, which aids in data exploration and understanding.  
Data can be represented as plots, which are simple to study, explore, and interpret.*

#### Q: What is Matplotlib? Ans:

*Matplotlib is a plotting library for Python with NumPy, the Python numerical mathematics extension. It offers an object-oriented API for embedding plots into applications utilising GUI toolkits such as Tkinter, wxPython, Qt, or GTK.*

Q: Does Seaborn need Matplotlib?  
Ans:

The only library we need to import is Seaborn. Seaborn's plots are drawn using matplotlib behind the scenes. Seaborn is a library that uses Matplotlib underneath to plot graphs.

Seaborn helps in resolving the two major issues faced by Matplotlib; the problems are:

1. Default Matplotlib parameters
2. Working with data frames

#### Q: How can we see all of the data sets available in the Seaborn library? Ans:

As mentioned below, the get dataset names() function is used.

import seaborn as sns

print sns.get\_dataset\_names()

#### Q: What is CMAP in Seaborn? Ans:

***Sequential Palette : one color only*** *With the cmap option of the heatmap() method in seaborn, you can adjust the colours of your heatmap. The vmax and vmin parameters in the function can also be used to establish maximum and minimum values for the colour bar on a seaborn heatmap.*

Q: What is the Seaborn function for colouring plots?  
Ans:

*color\_palette() is a Seaborn function that can be used to give colours to plots and give them additional artistic appeal.*

Q: What is Histograms in Seaborn?  
Ans:

*Histograms show the distribution of data by constructing bins throughout the data's range and then drawing bars to show how many observations fall into each bin.*

#### Q: How do you plot a histogram in Seaborn? Ans:

We can plot a histogram in Seaborn by using histplot() to plot a histogram with a density plot. KDE = kernel density estimation (histplot has kde = True)

seaborn.histplot(data, x, y, hue, stat, bins, binwidth, discrete, kde, log\_scale)

#### Q: How to change the legend font size of FacetGrid plot in Seaborn? Ans:

We can access the legend from the FacetGrid in which sns.displot will return with FacetGrid.legend. Then you can update the text elements like how we want:

import seaborn as sns

testData = sns.load\_dataset(“test-example”)

gplot = sns.Displot(data=testData,x=“total\_amt”,hue =“day”)

#Legend title

gplot.legend.get\_title().set\_fontsize(20)

# Legend texts

for text in gplot.legend.texts:

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text.set\_fontsize(20)