Q1. If you have any, what are your choices for increasing the comparison between different figures on the same graph?

Ans=>we can change the period in graph

Q2. Can you explain the benefit of compound interest over a higher rate of interest that does not compound after reading this chapter?

Ans=>yes it will compound with higher rate and give higher returns.

Q3. What is a histogram, exactly? Name a numpy method for creating such a graph.

Ans=> A histogram is basically used to represent data provided in a form of some groups

numpy.histogram is used create histogram in numpy

Q4. If necessary, how do you change the aspect ratios between the X and Y axes?

Ans=> You can change the aspect ratio using the pbaspect function. Set the ratio as a three-element vector of positive values that represent the relative axis lengths. For example, plot an elongated circle. Then set the plot box aspect ratio so that the x-axis is twice the length of the y-axis and z-axis

Q5. Compare and contrast the three types of array multiplication between two numpy arrays: dot product, outer product, and regular multiplication of two numpy arrays.

Ans=> This function returns the dot product of two arrays. For 2-D vectors, it is the equivalent to matrix multiplication

If the two vectors have dimensions n and m, then their outer product is an n × m matrix

and simple multiplication done with multilying and adding values of elements

Q6. Before you buy a home, which numpy function will you use to measure your monthly mortgage payment?

Ans=> np.pmt()

Q7. Can string data be stored in numpy arrays? If so, list at least one restriction that applies to this data.

Ans=>yes string data can be stored in numpy arrays.we can only store string length which is provided maximum length