NUMPY INBUILT METHODS

S/N	METHODS	APPLICATION
1	.append()	Appends values to the end of an array.
2	.linspace()	Returns an array of evenly-spaced numbers over a given interval.
3	.log()	Returns an element-wise natural logarithm for an array.
4	.reshape()	Rearranges the data of an np array into a new shape.
5	.sum()	Sums the elements of an array over a given axis
6	.transpose()	Reverses or permutes the axes of an np array.
7	.repeat()	It repeats the elements of an array.
8	.random()	It returns random integers from the interval [low,high)
9	.random.choice()	returns a random sample from a given array. By default, a single value is returned.
10	.random.binomial()	draws samples from a binomial distribution
11	.polyfit()	outputs a polynomial of degree ***deg*** that fits the points ***(x,y)***, minimizing the square error.
12	.nan()	We can use not a number to represent missing or null values in Pandas
13	.argmax()	returns the indices of the maximum values along an axis.
14	.squeeze()	removes single-dimensional entries from the shape of an array
15	.histogram()	computes the histogram of a set of data
16	.loadtxt()	For importing text file
17	.array()	Creates numpy arrays
18	.delete()	Deletes column on index
19	.concatenate()	Adds values to the end of an array
20	.hssplit()	Splits array horizontally

PANDA'S BUILT IN METHODS

S/N	METHODS	APPLICATION
1	.head()	Returns the first row in a dataframe
2	.tail()	Returns the last rows in a dataframe
3.	.shape()	It returns a total number of rows and then columns
4.	.size()	Returns the number of rows times the number of columns in a dataframe
5	.info()	Returns different information such as RangeIndex, data columns and data type
6	.isna()	Returns the total number of null values in a data
7	.describe()	It will give the count, mean, standard deviation and also 5 number summary
8	.nunique()	It gives the total unique values of variables
9	.columns()	This gives the names of all the variables in a data frame
10	.read_csv()	Helps read a comma-seperated values (CSV) file into a panda dataframe
11	.memory_usage()	Returns a pandas series having a memory usage in each column (in bytes)
12	.astype()	Its used to cast a python object to a particular data type
13	.loc[:]	Helps to access a group of rows and columns in a dataset, a slice of the dataset
14	.to_datetime()	Converts a python object to datetime format.
15	.value_counts	Returns a pandas series containing the counts of unique values
16.	.drop-duplicates()	Returns a pandas dataframe with duplicate rows removed
17	.groupby()	It is used to group a pandas dataframe by 1 or more colums and perform some mathematical operation on it
18	.merge()	It is used to merge 2 pandas datafram objects or a dataframe and a series object on a common field
19	.sort_values()	It is used to sort column in a pandas dataframe by values in ascending or descending order
20	.fillna()	Helps to replace all NaN values in a dataframe by inputing these missing values with more appropriate values.