Note: Please import the Pandas library using the below code and read the dataset before any Pandas function.

```
import seaborn as sns
```

In the below functions, df= Any Dataframe.

- **Distplot** – Distplot function of seaborn function is used to create histogram with kernel density estimate for the given number of bins.

Syntax: sns.distplot(*a=None*, *bins=None*, *hist=True*, *kde=True*)

Parameters:

- **a*Series*** *- 1d-array, or list.*Observed data.
  If this is a Series object with a name attribute, the name will be used to label the data axis.
- **Bins**- *argument for matplotlib hist(), or None, optional*
  Specification of hist bins. If unspecified, as reference rule is used that tries to find a useful default.
- **Hist-** *Boolean, optional*
  Whether to plot a (normed) histogram.
- **Kde-** *Boolean, optional*
  Whether to plot a gaussian kernel density estimate.

Important Note: This function is deprecated and might not work on your system. Please adapt your code to use one of two new functions:

- **displot()**, a figure-level function with a similar flexibility over the kind of plot to draw
- **histplot()**, an axes-level function for plotting histograms, including with kernel density smoothing

  Please refer to the distplot documentation for more details:
  https://seaborn.pydata.org/generated/seaborn.distplot.html

- **Jointplot –** Jointplot function of seaborn is used to create plots between two continuous variables. Several different types of plots can be created using "kind" parameter of this function.

  Syntax- sns.jointplot(*x=None*, *y=None*, *data=None*, *kind='scatter'*)

  Parameters:
  - **x, y-** *vectors or keys in data*
    Variables that specify positions on the x and y axes.
  - **Data**- *pandas.DataFrame, numpy.ndarray, mapping, or sequence*

Input data structure. Either a long-form collection of vectors that can be assigned to named variables or a wide-form dataset that will be internally reshaped.

- **Kind-** *{ "scatter" | "kde" | "hist" | "hex" | "reg" | "resid" }*
  Kind of plot to draw. See the examples for references to the underlying functions.

  Please refer to the jointplot documentation for more details:
  http://seaborn.pydata.org/generated/seaborn.jointplot.html

❖ **Pairplot-** Pairplot function of seaborn is used to plot pairwise relationships in a dataset.

Syntax : sns.pairplot(*data*, *hue=None* , *kind='scatter'*)

Parameters:

- **Data**- *pandas.DataFrame*
  Tidy (long-form) dataframe where each column is a variable and each row is an observation.
- **Hue**- *name of variable in data*
  Variable in data to map plot aspects to different colors.
- Kind-*{'scatter', 'kde', 'hist', 'reg'}*
  Kind of plot to make.

  Please refer to the pairplot documentation for more details:
  https://seaborn.pydata.org/generated/seaborn.pairplot.html