1. What is data concatination in pandas ?
2. Concatenate pandas objects along a particular axis. Allows optional set logic along the other axes. Can also add a layer of hierarchical indexing on the concatenation axis, which may be useful if the labels are the same (or overlapping) on the passed axis number.

pd.concat(objs,axis=0,join='outer',join\_axes=None,

ignore\_index=False)

1. Types of data concatination in pandas?
2. objs − This is a sequence or mapping of Series, DataFrame, or Panel objects.
3. axis − {0, 1, ...}, default 0. This is the axis to concatenate along.
4. join − {'inner', 'outer'}, default 'outer'. ...
5. ignore\_index − boolean, default False. ...
6. join\_axes − This is the list of Index objects

3. What are the functions available for data concatination/append in pandas?

A)syntax=*DataFrame.append(other, ignore\_index=False, verify\_integrity=False, sort=None)*

If you are concatenating only two objects, you may prefer using DataFrame. append as it is more visible that you are concatenating vertically. In contrast, axis parameters of Pandas. concat may be visually ambiguous related to whether you are actually adding lines or columns.

**pandas.concat(*objs*, *\**, *axis=0*, *join='outer'*, *ignore\_index=False*, *keys=None*, *levels=None*, *names=None*, *verify\_integrity=False*, *sort=False*, *copy=None*)**