Generalized Template Files for Dropping or Deleting any columns or rows

```
class dropColumns(object):
    def removeColByName(self,source_df,colName):
        source_df.drop(columns=colName,axis=1,inplace =True)
        return source_df
    def removeMultipleColsByName(self,source_df,colName):
        source_df.drop(columns=colName,axis=1,inplace =True)
        return source_df
    def removeSingleColByIndex(self,source_df,indexNum):
        source_df.drop(source_df.columns[[indexNum]],inplace =True,axis = 1)
        return source_df
    def removeMultiColByIndex(self,source_df,indexNum):
        source_df.drop(source_df.columns[[indexNum]],inplace =True,axis = 1)
        return source_df
    def removeColumnsHavingNulls(self,source_df,thresholdVal=0.95):
        null_percentage = source_df.isnull().sum()/source_df.shape[0]
        col_to_drop = null_percentage[null_percentage>=thresholdVal].keys()
        output_df = source_df.drop(col_to_drop, axis=1)
        return output_df
```

1. Dropping Columns By Given Column Name:

   obj = dropColumns() // Creating Object
   obj.removeColByName(source_df, 'Name')

   Adding pandas data frame in first parameter and column name in single inverted commas.

2. Dropping Columns By Given Column Name:

   obj = dropColumns() // Creating Object
   obj. removeMultipleColsByName (source_df, ['ID','Role'])

   Ading pandas data frame in first parameter and different column names in a list with single inverted commas.

3. Dropping Columns By Given Column Index:

   obj = dropColumns() // Creating Object
   obj. removeSingleColByIndex (source_df ,0)

   Adding pandas data frame in first parameter and column index in second

4. Dropping Columns By Given Column Index:

   obj = dropColumns() // Creating Object
   obj. removeMultiColByIndex (source_df , [0,1])

   Adding pandas data frame in first parameter and multiple column index in a list in second column.

5. Dropping Columns By Given Condition (For example Nulls):

```
obj = dropColumns()     // Creating Object
obj. removeColumnsHavingNulls (source_df , thresholdVal = 0.4)
```

Adding pandas data frame in first parameter and threshold value in second, this threshold value is the value through which we will remove our entire column. So for example if there are columns having equal to or more than 40 percent null values than this function will remove those columns entirely.

Default threshold value is 95 percent.