df1 = dataframe containing subject numbers for train dataset

df2 = dataframe containing type of activity performed by subject in train dataset

df3 = dataframe containing data gathered subject and activity-wise for train dataset

df4 = dataframe containing merged dataframe of df1+df2+df3

df5 = dataframe containing subject numbers for test dataset

df6 = dataframe containing type of activity performed by subject in test dataset

df7 = dataframe containing data gathered subject and activity-wise for test dataset

df8 = dataframe containing merged dataframe of df5+df6+df7

df9= dataframe containing merged dataframe of train and test dataset = df4+df8

df10 = dataset containing activity labels

df11 = dataframe containing joined dataframe of df9 and df10

df12 = dataframe containing grouped data from df11 by subject and activity and then having mean of all columns.

df\_features= dataframe containing name of features which are in turn column names for merged dataset df9