In feature Engineering we do processing with data. Some of the major steps while extracting and featuring data in the most efficient way are:

1. EDA (Exploratory Data Analysis): As soon as we get the raw data,

we start doing the analysis. To convert the raw data into useful data, basic things we analyze:

* + - How many numeric features
    - How many categorical features
    - Visualize all graphs and check missing values
    - If there are any outlier (with the help of box plot)
    - Whether the data needs cleaning.

1. Start handling the Missing values with mean, median, mode. (There are lots of features of handling missing values with these techniques)
2. Handling imbalanced dataset.
3. Treating the outliers.
4. Scaling down the data (Standardization, normalization)
5. Converting the categorical features.
6. Convert the category type into numerical type.

After Feature engineering comes feature selection. Selection of best features is another important term that needs to be done where we perform some steps like:

1. Correlation
2. K nearest neighbor
3. Chi square
4. Genetic Algorithm
5. Feature Importance (Extra tree classifier)