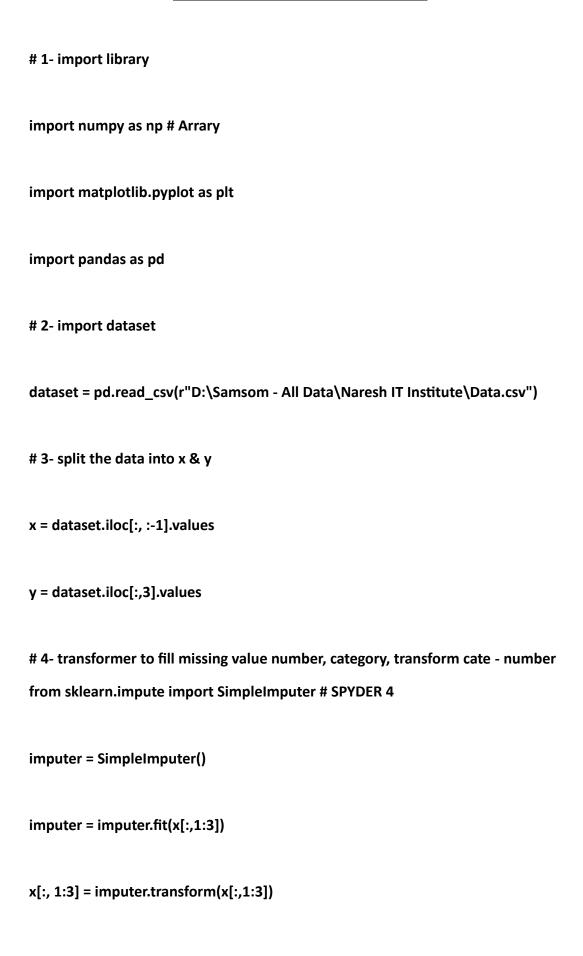
Normization and Standarization Scaler



```
# How to encode categorical data & create a dummpy variable
from sklearn.preprocessing import LabelEncoder
labelencoder_x = LabelEncoder()
labelencoder_x.fit_transform(x[:,0])
x[:,0] = labelencoder_x.fit_transform(x[:,0])
# transformer using for dv
labelencoder_y = LabelEncoder()
y = labelencoder_y.fit_transform(y)
# Spliting the dataset in training set & testing set
from sklearn.model_selection import train_test_split
x_train, x_test, y_train, y_test = train_test_split(x,y, test_size=0.2, random_state=0)
# if you remove random_stat then your model not behave as accurate
#Feature scaling
from sklearn.preprocessing import Normalizer
```

```
sc_x = Normalizer()

x_train = sc_x.fit_transform(x_train)

x_test = sc_x.transform(x_test)

# Feature Standardscaler

from sklearn.preprocessing import StandardScaler

sc_x = StandardScaler()

x_train = sc_x.fit_transform(x_train)

x_test = sc_x.transform(x_test)
```