* SPYDER \*

# 1- import library

import numpy as np # Arrary

import matplotlib.pyplot as plt

import pandas as pd

# 2- import dataset

dataset = pd.read\_csv(r"D:\Samsom - All Data\Naresh IT Institute\Data.csv")

# 3- split the data into x & y

x = dataset.iloc[:, :-1].values

y = dataset.iloc[:,3].values

# 4- transformer to fill missing value number, category, transform cate - number

from sklearn.impute import SimpleImputer # SPYDER 4

imputer = SimpleImputer()

imputer = imputer.fit(x[:,1:3])

x[:, 1:3] = imputer.transform(x[:,1:3])

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)

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)