```
import numpy as np
import pandas as pd
dataFrame=pd.read_csv('/content/Heart.csv')
dataFrame.shape # shape
dataFrame.info()
dataFrame.head()
dataFrame.dtypes # datatype
dataFrame.isnull() # missing values
dataFrame.isnull().sum() # missing values : count
dataFrame.Age.mean() #mean of age
count = (dataFrame['Age'] == 0).sum() # counting zeros
count
# selected columns
var=dataFrame.loc[:,['Age','Sex','ChestPain','RestBP','Chol']]
var
# Splitting the dataset into train and test sets: 75-25 split
from sklearn.model_selection import train_test_split
X_train, X_test = train_test_split(var, test_size = 0.25, random_state = 42)
X_train.shape, X_test.shape
# Find accuracy and precision for given example
tp=45
fp=55
fn=05
tn=395
acc=(tp+tn)/(tp+fp+fn+tn)
pre=tp/(tp+fp)
rec=tp/(tp+fn)
print("Accuracy is : {}".format(acc))
print("Precision is : {}".format(pre))
print("Recall is : {}".format(rec))
print("F1-Score is : {}".format((2*pre*rec)/(pre+rec)))
```