SET – 2

from numpy import \*

import pandas as pd

import matplotlib.pyplot as plt

import seaborn as sns

from sklearn.linear\_model import LinearRegression

from sklearn.model\_selection import train\_test\_split

#1

data = pd.read\_csv('Salary\_Data.csv')

data.head(10)

#2

print("Maximum :",data['Salary'].max())

print("Minimum :",data['Salary'].min())

#3

print("Average Salary : ",data['Salary'].mean())

#4

x = data[['YearsExperience']]

y = data['Salary']

#5

x\_train,x\_test,y\_train,y\_test=train\_test\_split(x,y,test\_size=0.3)

model = LinearRegression()

model.fit(x\_train,y\_train)

#6

model.predict(x\_test)

SET-3

#1

data=read\_csv('movies.csv')

data.tail(10)

#2

data.dropna()

#3

md=data['Profitability'].median()

md

#4

x=data.iloc[:,4:7]

y=data.iloc[:,3]

x

#5

x\_train,x\_test,y\_train,y\_test=train\_test\_split(x,y,test\_size=0.2)

#6

model=LogisticRegression()

model.fit(x,y)

model.predict(x\_test)