import pandas as pd

from sklearn.linear\_model import LinearRegression

from sklearn.svm import SVC

def reg(file,impacts,outcome,inps):

data = pd.read\_csv(file)

X = data[impacts]

Y = data[outcome]

linear\_regressor = LinearRegression()

linear\_regressor.fit(X, Y)

nx = [inps]

pred = linear\_regressor.predict(nx)

return pred

def classify(file,impacts,outcome,inps):

data = pd.read\_csv(file)

X = data[impacts]

Y = data[outcome]

clf = SVC(kernel='linear')

clf.fit(X, Y)

nx = [inps]

pred = clf.predict(nx)

return pred

msg = input("Give a parameter: ")

print("Do you want to know regression")

print("how much height do you want?")

height = float(input("i want my device height to be: "))

print("how much width do you want?")

width = float(input(" width should be: "))

print("how much Ram do you want?")

RAM = float(input("Ram should be: "))

print("how much internal storage do you want?")

Internal = float(input("Internal storage of: "))

print("what is the capacity of battery ?")

battery = float(input(" battery capacity of: "))

print("do you want ur tablet to be light weight")

weight = float(input("yeah! appox. weight should be "))

print("how much budget do u spend to buy tablet?")

cost = float(input("cost is "))

print("which brand do you prefer?")

Brand = float(input("the available brands are "))

print("what about camera quality?")

Bpixel = float(input("the best quality is: "))

print("then what about front camera?")

Fpixel = float(input("preferable quality is: "))

if "regression" in msg:

p = reg('featureacceptanceprediction.csv',["height","width","RAM","Internal","battery","weight","cost","Brand","Bpixel","Fpixel"],"Accept",[height,width,RAM,Internal,battery,weight,cost,Brand,Bpixel,Fpixel])

print("The % of selecting mobile is: ",float(p[0])\*100)

if "classify" in msg:

p = classify('featureacceptanceprediction.csv',["height","width","RAM","Internal","battery","weight","cost","Brand","Bpixel","Fpixel"],"outcome",[height,width,RAM,Internal,battery,weight,cost,Brand,Bpixel,Fpixel])

print("The % of selecting mobile is: ",float(p[0])\*100)