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import pandas as pd, numpy as np
from sklearn.model_selection import
train_test_split as tts
from sklearn.ensemble import
RandomForestClassifier as RFC
from sklearn.metrics import
classification_report as cr

def c(f):
pd.DataFrame({‘t‘:np.random.randint(15,4
5,100),‘h‘:np.random.randint(30,100,100),‘
w‘:np.random.randint(10,150,100),‘p‘:np.r
andom.randint(0,300,100),‘y‘:np.random.
choice([‘f‘,‘q‘,‘s‘],100)}).to_csv(f,index=Fals
e)
def l(f):
d=pd.read_csv(f);X,y=d.drop(‘y‘,1),d[‘y‘];r
eturn
tts(X,y,test_size=0.3,random_state=42)
def r(X,y):m=RFC();m.fit(X,y);return m

if __name__==“__main__“:
    c(‘d.csv‘)
    X_tr,X_te,y_tr,y_te=l(‘d.csv‘)

print(cr(y_te,r(X_tr,y_tr).predict(X_te)))
```