Eswo: 19 DECISION Tree Clarelfication Am
TO implement a decision tree clevrification
technique for gunder clamification vering Psython lode from Skleun-tree Import Decisionine Clearfiel from Skleun-model Selection import train testfrom 8 Klean metrics import accurage Score, Claufication Impost princes as pd data = 9 'Height': 25.5, 59, 50, 6.2, 65] 'vaight': C65,772,50,50,80,62,68/18],
'chae 872 : C9, 11, 10, 6, 8] Berder' E'Hale, Hale, Senate, Senale df = Pd. Doff fame (data) df[Gendaj] = df(Gendeaj) map(1'Nele':1, X=dff[teight', weight, RhoosSize'J] X town, I led. Y train, Y lest = train tost soft (x, y) tost Size = 0.2, rendom state = (2)

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CIF = Decision Theo downfral critain = 'grov', max depth = 3
Clf tit(x toain, y-toain)
Y-prod = Clf. product (x tost)
accuracy = accuracy Score (y fox, & proof)
print (laccouncy 100.2f & 7.3' Print (dashfication_Deport (y_test, y_prod))
troon Sk learn tree import plot tree Import motplot lip pyplot as plt
PIt-trac (Pig Rize = (12R)) PIt-trac (CIF, faction-pame = [height, wierght], Class-name Fenale", "mode", flod = 1800 PIt-Shawl)
Dutput
Decision Tree Classification (Training set) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Decision Tree Classification (Test set) • 0 • 1

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Thus the output Menifred Encuefully and the Dutput is generated in Decresion tree based using python