ma Ch 1	BYP NO: 12 - IMPLEMENTATION OF CLUSTERING TECHNIQUES IN - MOORE
	(n = state - marror
	AGM: (xx 4 4/long the 2000 xx x y forg
	To implement a k-moone chartering techniques using python.
06(-31)	11. India-right rooms, this I reside to the property of the day
	ALGORITHM:
7	import kmoore from sklaprn-cluster
2)	Assign x and y.
5)	call the function knowners
4)	Parton scatter operation and display the autput.
	LDDE :
	import # numpy or no
	import pandar as pd
	from motplotlib import pyplot as plt
	from sklaam. datasato samplar-ganamtor import make-blobs
	from skilosin . cluster import killeons
	x, y= make-blobs cn-samples = 300, centars= 4, cluster-end=0.60,
	random-state = 07
	pt. scatter (x[:,0], x[:,1])
	MC90 = [7
	for i in range (1/11):
	k Means = kmeans (n-clusters = i, init = k-means++, max-iter = 300,
	n-init = 10, nordom- etate = 0)
	KMEOUS-FIT(X)
	wess appared cumpons inentia.)
370	ple play (range (1,11), MCSS)
	plt-title ('Ellow Mothod')
	put. xlabal ('Numbor of alustors')
	per-ylater ('wess')
	alt chart ()

KNICON = KNICONS (n-clustore = 4, init = 1/2 max-itor= 200, n-init = 1/2 radom- state = 0)

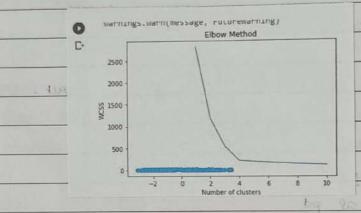
prod-y = knoons. fit - prodict (x)

pl. scattor (x [:/0], x [:/1])

pit. societor clemano. cluster-center (:10), remeans. cluster-centers (:11) (:10)

put. show (1.

OUTPUT:



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REDULT:

is successfully executed.