## Abdul Raffy

W25-PAK-INP-AI-16

	K-Mean clustering			
	Make clusters of data with, I			
	Similarites.	Sr_no age	Amount	
		C! 20 C) 40	1000	
	( المرابع المر	C3 30	800 -	
	Cluber cluster	C9 18 CS 28	200	
	Acirale st 405	. 6 35	1400	
	Steps	45	1800	
1) How many clusters to make				
Lets take two clasters.				
162 (20,500) (40,500)				
(10,5000)				
Transport	2) Centroid Calculation			
	which value from dataset will			
lie in which cluster				
(Randomly assign detasets to clusters),				
-> lests associate Cy with 14, and				
C2 with 162. (This is initialization)				
>> Trese value are called centroid				
initialization, and the remaining values				
will be observed values.				
lets see paris calculated on bosis of distance nearest to				
$C_3 = d = ((k_1 - k_1)^2 + (y - u)^2 \rightarrow Firehologon$				
$C_3 = d = ((x_1 - x_1)^2 + (y_1 - y_1)^2 \rightarrow fuclidean$				

