Step- 3: Find the distance for electer Sa, b, e, al, e 3 lesting average linkage. d ( care, e3, (6,d3) = d (a,b) + d (a,d) + d (e,b) +d(c,d)+d(e,b)+d(e,d)  $9+6+70+9+10+8 = \frac{49}{6} = 8-16$ o. \$8.16 Devation - 4: Step-1: Find the minimum distance from the above take. d (abcde) = 8-16 Step-2: aluston the data object a, b, c, d, e. abede abede 8.16 Step-3: Final dendrogram. of (((e3, e) = +

Step-3: Find the distance for cluster La, b, e,d, e & using average linkage. d ({a,e,e3, (6,d3)} = d(a,b)+d(a,d)+d(e,b) +d(c,d)+d(e,b)+d(e,d)  $= \frac{9+6+70+9+10+8}{6} = \frac{49}{6} = 8.16$ 6 8 23 . 8 3 5 5 6 . 6 ace bd bd \*8.16 0 Deteration - 4: Step-1: Find the minimum distance from the above d (abcde) = 8.16 Step-2: Cluster the data object a, b, c, d, e. abede abede 8.16 Final dendrogram. Step-3: ol [ {c, e3, a) = + Step-2: - Olusten the works