2) Design and Levelop an assembly program to soit a given set of 'm' 16-bit numbers in axending organists.
Idopt bubble sort algorithm to sort given elements. . model mall Display macro mig lea dx, mrg mov oh, ogh endur - dota N DB 5 db 02H, 01H, 34H, 0F4H, 09H, 05H rung 1 db 10 als, "1>>> Arrending order" mg2 dbeodh, oah, "2 >> descending orde9" rung 3 dt odh, oah, "3: Esut" rug 4 db odh, aah, "Enter your droice: \$" db odh, oah, "Involid shoise entered --- }" mor ax, Edota mas ds, ax mou de, M diflay mig1 display mig 2 display wing3

woo ah, oth int 21 h rub al, 30 H curp AL, OIH JE AS curp al, 02 h JE des curp al, 03 H JE final outfutloop1: More CH, d MOD SI,00H Intoop 1: Moo AL, list [SI] insI comp al test [SI] JL No-exclg! xely AL, Lind[SI] mos list CSI-I, pl No-exchi: dec ch Juz intoop1 dec cl Juz out stoop 1 more pel, inch int 21 de des: outloop 2: More ch, ch mor si,ooh inter 2: more al, test [ri] auf al, list [xi]

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Juc no-coulge xchy al, list[N] more list [ri-1], al No-endge: dec de jung intoop 2 dee d jnz outloop L mor al, uch int 21 h final: mor ah, neh
jut 21 h

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