Page No. Date MARGE. ANSHOL H. SURAM Usnº 18M19C3020 AB-08) WAP to implement stack & Queues Linked Representation. Stark #include <etdio.h> # include (Stallib. h> Strik rode * top= NULL; Struct node int data; Street rode void stack(); void push (int); Int pop (); void display (). Int main () Stack (); setur 1; void stack () int choines pleso. do printf 1 4 m Enter the choice: In I. Push. In 2. Pop In 3. Display In 4. Exit In Char Stant (".1.d", & cho;ce). Switch (charce) case I : printf (4 h Enter the element to last Scant (".1,d" & al Arshal H-Swan

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NAME "ANSHUL H. SURANA USN: 18M19CS020 Page No. break. doorp ele-pepo printe ("In 1.d was deleted from Queue", de). display (); lose 3: beeck: lose 4. exitio). dejault. Tropot Error Try Again "); Stack (). : (1) elister. strict node * rounode; nouvode = (street node) mallo (breat stood node); nounode I data : ele! rounde -> next= NOLL! 1+ (40b== worr) { top=newsode; y remode - J rext = top; top= newoode! printe ("In element . I. d was inserted In" ele). int bob () strect rade * temp! 2 prints ("In Stack Understaw Stack isempty").

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MAME : ANSHUL H. SURAMA USH STEMIPCE OF O ele = top + deta; temp-top; if (top-) vert== NULL) top= NULL; 4 else -pap= tob + vext; tree (temp); sermele, void display () strict node * i; if (top = = NULL) printf ("In Stack is empty In"). Stack (). Printf ("In Stack Contains: In Top-)") (trantisi isomili got sil to Burth (" If 1.9" ! -1 gata). Queue. #include (statio.h) # include (Stalliby) short rode { int data: * voxt; b; Strict rede raid insert (). void diplay (). Arshul H. Suram

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NAME : ANSHUL H-SUPANA EN: 18M1988010 short rode x real = NOIL x part = NOIL. it mail link age chasse " " age in choice; charch= 'Y'. [printf (" In Queue implementation wing linked let In") picte ("In I. Greate In2. Diploy In3 Direlete Ing- Enit In") printe (" In Enter your choice); stant (" 'I'd" & chow). Switch (choice) Case I: insent(); break; case 21 display(); break; core 3. del (); prog. ch= 'n': buck. fromthe Ch=='y'11 Ch=='Y'); void insert street node * remode; newrodo= (8thick node *) mallo c (8ine of (8thicknode)); point (" Enter the dement: In"). sont 1. 1. 9 & seconde 4 data). newrode - next = NULL! if (sear = = NOLL) real = remorde. Anghul H. Gurang tront = rounde

NAME " ANSHUL H-SURANA USN SIBMIACSOZO alse of soar - next = nowoods; seal = newrode, void dell) of it chant = = NUCC ¿ printe (" avene is emptyla"); satur. else of Printe ("Delated ele is .l.d", front + date); (feles = troot) 7; Eprinte (" Quana is empty) n"). font-NULL; rears NULL; front = front + rext; wood display () School node * temp (Than == marr) ti prott ("Queue is empty"). Setur; temb= front; while (temp! = NOLL) printf (" 1.1.4" tempt date); Jours = temb Thext. Arshul H. Succe