Lab-3

18/12/23

Delogram to convert infix to farther Hinclude (Adio h) = include (string h) # include < E type h > # define rize 30 that top = -1; void frush Cahan a) { stack[++tof]=a; char top () { return stack [top--]; int presidence (char a) { if (a=='n') return 3', elu if (a=="\*' || a=="1") elu if (a == '+' || a == '-') ela returnij poturn 0;

eid Mahrel char infic[rise]; D=, fortfic[rise] or (int i = 0; ic rthun (Kingia); i++) { 4 (infic[i] == 'c') fush('('); chef if (freedenc [stack[top]) < freedenc [st fruch (infix (i)) while (stack [top] ]='('){ hartfic [j++] = hop (); pun (infix [i]) 3 while (top! =-1) horthatit+]=hop (); hartfic[i]="10" frints ("Parties exercision is: 7.5; fartier);

Enter Expression: A\*B+C\*D-E Portice Expression is AB\*(D\*+E-2) // Evaluating Portfit Expression # include < rtdio h) # include ( string : h) # include ( ctype : h) # define max 20 int dack [20]; int top = 1) void frush (int a) { Ntack [++ top]=a; . . . int hop Of riturn stack [tob -]; void main Ot shows portha [moss]="12\*34 \*+5-"; int result =0, a, b; for (int i =0 ; i c nthen (portia); i+t) [ if ( al isalmon ( portfor ( )). puter (partfor [i]-'o'); F . . . . . elve

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P = / ob(); a=hop(); witch (postfic[i]) rase 't's push (atb); break; fruh (a-b); treak; fruh (a+b); fruh (a/b); fruch (anb); break; ult = hop(); intf ("%s = "d", hartfir, rult); Enter parties octresion: 12#34\*+5-R 12\*34\*+5-=9

3) 1/ hopam to implement ancue Findude Catalian) staffine ringe 30 int man Crize]; int pront= 1, scan= 1) void innert(inta) ( if ( rear = = ring - 1) { printf (" anene overflow x"); she ( if ( front == -1) front =0; anche [t+rear]=0 void delete () ( if (front = =-1) front > rear) { frint ("Quene Empty\n"); ponter; void display(){ if (front = = +1) printf (" Onene Empty (n"); printy ("Quenci");

for (mt i = hout; ic= rear; i++) ( printf (" r.d ", quare [i]); frint ("\n - - - - - \n"); Void main () { int choices, a's while (1) { printif (" avene aprations In Emert In Delete In Diplay); reant (" %d", I choice); mitch (choice) reant ("red", fa); invest(a); display(1') break; oldetell; display (); briak; idioplay();

Cultus! Rune Operations 1. Inset 2. Delete 2. Diplay angice! 1 Entero Element; 3 anene 13 choice: 1 Enter Element: 4 anene: 34 choice: 2 anene: 4 choice: 3 anere: 4