USN: 18M19CSQ16 Name: AMIT-R Lab2: # include < stdio. h> # include < stillib. lo > # define MAX 100 chas st[MAX]; int top = -1; wid push (char c) if (top== MAX-1)

printf ("Stack full \n"); else fof tt; 2 St [top) = c; ther pop () if (fob == 1)

printle ("stack empty (n");

else

else

ele = st[tob]; 10p -- j 2 refer el; int stackenpty () if (fop===) noted in un! notion O;

staclotof () Af (top = = -1)

possiff ("In stack comply!"); refrom st [top]; priority (char of) switch (cp) ase 1+1: Case - 1: 900 form (; Case 4: ane 1/1: referen 2; ouse 1: scatosus 3; default : goturs 0; mais () chos lufix [50], ifem; inti; prints ("Enter Infix expression:").

Scanf ("/.5" infix);

prints (" In Rostfix: "); while (mf.x (:71 = 10') switch (infix (i) case (: fush (infix [i]); frank;
ase): while ((item = pop())!='(') printf ("1.c", item); brook;

Case (+): case (/): while (!stackon pty () & & privarity Cinfel Hem = pop(); bring ("1.0", item); push (infox (17); break;

esse Sepult: printef ("11.64 infox [;]); while (1 stackenpty()) chas item; item = fob();
printf ("/.c", item);