21/12/23 1. Swapping using pointent void main() int a=10; print ("realues of a and b before sneapping are "lod and "l.d. n." pays sneapreference (2a, &b); perint ("realnes of a and b after snapping byre ", d and ", d \n", a,b); roid suraprefirence (ent * a, ent * 6) the maximum up in assay of minimum is in assay int temp; tamp= * a; *a=16; *b=temp; prints (" realnes of a and b inside function are ind and idn", a, is Output realnes of a and b before snoapping are 10 and 20 realnes of a and b inside falling function are 80 and 10 realness of a and bafter snoupping by could dere 80 and 10 #Include <stdio.h) #include <stallo.h) void main () Ent * p, * q;

int n; print ("aead n:"); Scanf (" 1/0 d", & n) P= (Ent *) malloc (n* size of (ent)); perint ("enter % d elements:", n); for (i=0; i<n; i+4) 3canf (" 7.d", p+i); q=(int*) calloc (n, size of (int)); paint ("enter %d elements: ", n) for(i=0; i<n; i++) Scanf (1 %.d", q+i); print ("enter 7 elements:"); for (i=0; i<7; i++) scanf ("%d", p+i); facility; the analysished of Hotel Harias Output enter 5 elements: 1 2 3 dy dy enter 5 elements: 1 2 6 5 8 enter 7 elements: 13 & 45 6 6

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3. Hinclude <statio. h> # define max 5 Ent top = -1; int stmax]; reaid push (int realul) if (top == max-1) else { top=top+1; (M 1 2 4 MANAGE S[top 7 = value; reaid pop() int realue: if (top==-1) else print ("stock es underflow court poplu"); ralue = S[top]; top=top-1; print ("\n°/0 d is popped \n", realue); roid is empty () if (top==-1) perint ("stack is empty ");

if (toop==max-1)
prints ("cotoch is full in"); }

resid (sfull ()

revid display () Printf ("stack is underflore \n") printf ("In stack elements age:");
for 'lint i=0' ix=top; i++)

printf ("/.d (t", s[i]); 20 void main () int saco; printf (" enter a no: "); scant ("1.d", 2no); push(no); printf ("enter a no: "); Scanf (" 7. d ", 2 no); push (no) party ("enter a no: "); Scanf (" % d" &no); push (no) printf ("enter a no: ") Scare (11 % d", LNO);

push o no;

print ("enter a no:"); scanf ("/od", & no); push (no) printf ("enter a no:") Scanf (" %d", & no) push (no); display!);

pop() Es emply () isfull (); display() pop() pop () Output enter a no:10 enter a no: 20 enter a no:30 enter a no; 40 enter a no:30 enter a no: 60 stack is oreafione can't push stack elements are: 10 20 30 40 50 50 is popped 40 is popped 30 is popped 20 is popped stack elements are: 10 10 is popped. stack is underflow. can't pop print (" Enter a ne