WEEK ? working of stack using 2) White a program to simulate an away with foll.

a) Push b) Pap () Display Psog should part undaflow a overflow app. messages for #include < state. W # include < stdlibin int size int art (25) int top= -1; int the item; world push(); int main(); world display (); int main() int item del. int ch; print (" Enter size of stack In"). Scan ("-hd" / b size) perint ("In). Push In? Pop In 3. Display (n D. Exitin) : flow (see scanf ("-/od", b-ch); Switch (OCh); Case 1: push (); (ase 2: item_del= pop(); if (item_del = =-1) printy (" Stack is empty (underflow) (") Camlin Page

else print (" Item Deleted: op din ", item del); case 3: display (); break; (" of propose of Mates) Case D: printy ("Exiting tall); (Hi 190 = 1'00 1) 11) ("Element of d: of all ") i't assaud default: print ("Invaled choice (1); neturn 0; void push() print (4 stack is filled (overflow) in 4). print (" Entes I tem to be inserted in stack ("); Allush cotdin); Scanf (" 1.d", bitem); ass [++top] = item; int pop () Item deleted: 2 3 setuan -1. Leturn att [topp --];

void display 1) soleted: of din ", item del); inti privil ("Stack is Rompty in"); 17 (top = = -1) for (i=0; i== top! i+1)

esint ("Element of d: of a (n), i+1, are sind)

(in) show a property of the sind of the s 00 tout Enter size of stack 1. Push 2.80p MI CHERack TO filled (coenflow) 1, 4). 3. Display D- EDH Enter item to be inserted of coming and at most coting in there sand (114. d is to i blem). (moti = [Got + +] 4m 2. push 2. Pop 3. display O. Exit Item deleted: 2 30 tugo - 1. 2 push 2. 808 3. display : [-- 020+] Alo. 14494 Camlin Page

O. Exit stack is Empty (underflow) 1 push 2 pap 3 display Exiting