of LOB programme: 2: saik a peogramm to simulate the working of efock display an away using push, pop, and display. the programmed should print message for Grock overflow and stack in der from. 50100 # include Lstdio.h) # inulex stalib. W # define Stock-Size 5 int top =- 1; int sciol; i'nt i'ten; void pub()} i (top== Stock-size-) { parit ( C' Stock Overflowin); erre & prints (" Enter the item to be inserted "); scan (" o/od, litem); top= top+1; 5 (++ top) = ? tem. sstop = item; \* preincrement

conjust toold if (400==-1) { int pop() 3 printf("Stock Emply");
21100; paint (" Element removed is: % d vo", S[top--1]); A post rement rutian-1; void display() } if (top==-D2 puints (" Stark i's Empty");

rettao; ("mussay)

} print (" the Steck items on: "); for (i=top; i>=0; i--)} peint ( " % d 10", s(i)) a [2] alul

soid main ()} int item\_ deleted; int choice; for (::) \$ print (" Enter \n1. PUSh\n2. POP\\n3. D&SPLBY\n
4. EXIT \n''); 500 n ( " o lo d " & chorce); switch (choice) } case 1 : push (); breck; case 2 : popus; case 3: display(); default; exit (0); //involved input //

yold brain (2) } & Output: -> Entel 1. PUSH 2. POD 3. DUS PLOY CONDITION TO THE PROPERTY OF THE PARTY OF THE PARTY Entuyour choice Entu Plement to be insulted 25 -> Entel J. PUSH 2. POP 3. OJOPHDY 4. 8XJ7 Enty your choice 1 uga Comor : (d) i con tempto Enter eleven to be insided 50 Entel 1. PUSM 2. POP 3- DEPURY 2 - 6x31 Entu your choice The components of shock are: 7 25 50