IBM19CS143 Sannidhi Kasturi DATE: 28.09.20 1/ Simulation the Horking of stack was using # include (etdio h) H include (stalib, h) #define STACK_SIZE 5 int top = -1; int s[10]; int item; int push () If (top = = STACK-SIZE-1) prints ("Stack our flow! h"); if (top == -1) return-1; return s[top--];

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unt display ()
    uf (top == -1)
      printf (" sack underflow \n");
      Attem 0;
  points ("Contents of the stack: \n");
for(i=top; i)=0; i+++ i--)
    print ("1.9/1", s[i]);
wold main ()
  int . item - deleted;
   int whorce;
  for (;;)
       Prints ("In 1. Push \n2. Pop. \n 3. Display \n4. Fait \n");

Prints ("Enter your choice: \n");

Scanf ("90d", L choice);
     switch (choice)
       case 1: printf ("Enter the item to be
unsetted: \n');
stan ("10d", & item);
       push();
        break;
       case 2: item-deleted = pop();
        Brint ("Stack underflow ! on");
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prints (" Hem deleted is " ! d In", item-deleted); dase 3: display(); break; default: onit(o);