SURYA Gold LAB PROGI 1. White a pood to simulate the working of stack ming an array with the following.

a) push b) pop c) display

the freq should privat app mags for stack overflow

& stack unduffer # define STACK_SIZE 5

int top = -1;

void push () int 7 jkum/int/SEJ, xpx #Include < Stolio h> #include < conjo:h> #include < stdlib. h>. # define STACK_SIZE 5 vit top = -1j ird 8[10]; int item; void peubl) (top = = STACK_SITE -1) heint ("Stack onesslow \n"); rubuen; top = top +1; S Ltop J = item. ina popc)

sij. (top = = -1)

SURYA Gold printf (" Stack is empty \n");
settuen;

printf ("contents of the stacks\n");
for (i=0; i <= top; i+t)
} hemit ("·(·d\n", S[i]); void main () 2. urt item-deleted; ent chaice; drscxt); for (;;) print f ("1: Push \n 2: Pop \n 3: Display \n feiraf (" Enter your choice \n"); Scanf (" 1 d", & choice); switch (choice) prints (" 2 nteg the item to be sinsexted n");

scans (" 1 d", & item);

hush ();

break;

case 2; item - deleted = pop();

if (item-deleted = = -1)

prints (" Stack is empty \n");

else.

 $a+b^{+}(c^{-}d-e)^{-}(++g+h)-i$ SURYA Gold

Date_____Page.____

heurit ('Item deletted as · 1·d'n', item_deletted); break; Case 3: display();
break;

case 4: default: exit (0);

y a+6*(c'd-e) (++9*h)-i