```
WSING POINTERS -
= unulle (statio.n)
# include (phocess.h)
# include (convo.h)
# define STACK-SIZE 5
int top =-1;
 void push (int item, ints[], int*top)
if (+top = = STACK_SIZE -1)
 prima ("stack overflow in");
Mtuen;
 + top = * top + 1.
```

```
S[*top]=item.
 int pop (int sl], int * top)
 int item-deleted;
 if ( * top == -1)
 prints ("Stack under flow cannot delete \n");
 return o;
 item - deleted = s [+ top];
 * top = * top -1;
 return item_deleted;
void display (int top, int s[])
 inti; and then Clean
14 (top == -1)
print (" stack is empty \n");
sutuen;
ponintf ("contents of the stack \n");
for ( i=0; i <= top; i++)
```

```
printf (" Y-d In", s[i]);
void main ()
int item, s[10];
int item-deleted:
int choice;
cirscr (); Me to wellow ( ) many many occurry ( ) many
for (;;)
printf ("In 1: push In2: pop In 3: display In 4: exit In");
printf(" enter the choice: \n");
 scanf ("7.d", schove);
 switch (choice)
case 1: printf ("enter the item to be insexted \n");
      scanf ("Y.d", bitem);
    push (item, s, & top);
      break; (1-951) ASATO HAR
case 21 item_deleted = pop(s, etop);
     if (item_deleted 1=0)
       print ("In item deleted is yed In", item_deleted).
       break.
```

