

## CAB PROGRAMS

WAP to Simulate the working of Stack weing an array with the following a puch is pop c) display
The program should print appropriet messages for Stack overflow and underflow #include < stalio. h> Hindrale groces h> # include Stalib. h> #define MAX 5 int top = -1, stack [MAX]; void puch (); void pop(); int main () int ch=0; While (ch! = 4) printf("Stack Mennin); printf (" In 1. Push \n 2. Pop \n3. Pull \n26)

printf ("Enter your choice \n");

Scant (""d" (ech); Switch (ch) case 1: puch(); Case 2: pop (); break; case 3: display (); Greak ; case 4: exit(0); default: prints ("In Wrong Chorice");

"In Stack Overflow ") Plittl''\n Enter cloment to push:"

Scant ('' / d' / lo val);

top = top + 1;

Stack (top ] = val; ("In Stack Underflow Deleted element is 1.d Stack [top]); DE top-1; ord dis play ()

int i; print ("Stack is empty \n"); else printf ("Stack is: \n"); for (i=top;i>=0;-i Printf ("'/d \n", stack[i])