case 3: display (); default: pointf ("invalid input"); rold push (int var) printf ("stack overflow"); top + +;
Stack [top] = Voux; if (top==-1)

{ printf("stack underflow");
} printf ("poped element = 1/4", stack (top)),

void display () ent i ;

for (top= is top; i >=0;i.) point of ("olod", stack [top]). Moutput Enter the operation: 12. display Enter the number succesfully pushed Enter the operation: 1. push 2. pop 3. display 4 -1 to stop operation completed.

1. 2. 3. 4. 1 En 5 su En 2.	ter the operation: push pop display -1 to stop ter the number: ccessfully pushed ter the operation: push pop display -1 to stop	
3. 4. 1 En 5 su En 2.	display -1 to stop ter the number: ccessfully pushed ter the operation: push pop display	
3. 4. 1 En 5 su En 2.	display -1 to stop ter the number: ccessfully pushed ter the operation: push pop display	
4. 1 En 5 su En 1. 2.	-1 to stop ter the number: ccessfully pushed ter the operation: push pop display	
1 En 5 su En 2.	ter the number: ccessfully pushed ter the operation: push pop display	
5 su En 1. 2.	ccessfully pushed ter the operation: push pop display	
5 su En 1. 2.	ccessfully pushed ter the operation: push pop display	
1. 2. 3.	ter the operation: push pop display	
1. 2. 3.	ter the operation: push pop display	
1. 2. 3.	push pop display	
3.	display	
3.	display	
	-1 to stop	
4	-1 to stop	
En	ter the number:	
6	the number.	
SII	ccessfully pushed	
\n3.d	push	
\n3.dEn	POD	
3.	display	
	-1 to stop	
1		
En	ter the number:	
7		
su	ccessfully pushed	
En	ter the operation:	
1.	push pop	
2.	pop	
	display	
9.	-1 to stop	
	too the number.	
En	ter the number:	
6	ack overflow	
	ter the operation:	
	nush	
2	push pop	
3	display	
4	-1 to stop	

Page No:
efter expression using stack.
of polymer to Toot Wants
clude «stdio: h>
clude < stringoh>
letime N 30
index = 0, temppos=0, top=-1, length;
or symbol temp infly [n] poetfix[N].
ir gymbol, temp, inflex [N], postfix[N], stock[N];
d intopo ();
d push (char symbol);
as populator est
préc (char c);
'S waster
d main ()
another the infix expression:):
print-f ("Enter the infix expression:"); scanf ("%s", infix");
intopol);
pointf ("The infix expression is: 65", infix);
pointf ("The infix expression is: %s", infix); pointf ("The postfix expression is: %s", postix
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2. WAP to conv

postfix expres

#include & stdio:

of include < strin

A define N 36

int index = 0, te

coar symbol, ter

roid intopo ()

void push (c)

char populiti

int prec (cha

void main ()

void push (char symbol) top++;
stack [top] = symbol; char pop () return (stack [top]); ent prec (charc) if (c=='N') teturn 3;

else if (c== **' || c== 1')

feturn 2; olee if (c = = '= 111 (= = '+') return 1; return -1;

void intopo () length: strien (infix); while (index « length) symbol: infix [index]; if (symbol== '(') 3 push (symbol); else if (symbol = = ')') temp: pop()

subtile (temps: "(')

postfix[pos]: temp; temp: pop(); while (prec (stack[top]) > = prec (symbol) temp: pop() postfix [pos]: temp; pos ++; index++;

notife (top > 0) top temp = pop()

postfex [post+] = temp;

C:\Users\bmsce\Desktop\22cs300\intopo.exe	-	
inter the infix expression (k+l-m*n+(o^p)*w/u/v*t+q) infix expression:(k+l-m*n+(o^p)*w/u/v*t+q) Postfix expression:kl+mn*-op^w*u/v/t*+q+		
Process returned 41 (0x29) execution time : 39.049 s Press any key to continue.		