STACK

psuedocode:

void push (into)

if (top = = (512e-1)

printf (" overflow");

else 1

Stack FTOP] = n;

void pop ()

if (fop = = -1) ( )

printf(" Unclerflow");

else L

print (" y.d", Stack [top]);

Void display () if (top = = -1) { printf (" Strick empty"); defi tor ( 60p; top 20; top --) print f (" x.d It", Struck [top]) Output! 1. push 2-pop 3. display h.exit Stack underflow 1. push 2. pop 3. doplay heart enter value: 1 1. push 2.pop 3. display hent enter value: 2 1. Puch 2. pop 3. display L. Chit enter value: 3 1. Pash 2.pop 3. deglay 4. px. t enter value : 4 Hock overflow

	Date Page
3	Parthist evaluation
	12024 1000
	void mancis
	(har + e, char explao);
	3 cary ("Y.5", exp); e = exp;
	e = exp;
	(
	while ( "e! = 10')
	1
	if (isdigit (+e))
	1
	push (*e-48);
	y
	elsa
	2
	Di= Dob()
	na: popu
	\$ Switch (*e)
	T
	(ase'+'.\n3:
	1. push 2. pop 3. display 4-ox.+
	J. THE CONTROLLED TO SEE THE SECOND S
	deletel value is 3
	1. preh 2-pop Z. desplay Gent
	3
	1 2
	#1 Pash 7-pop 3. desplay hout

(1) inhis to poolfix int priority (charx) if (2==120) returno; if (7:='+'112=='-') return 1; it (x=='+') | | x=='/') return d; J return 0; int main () char exp(100), \*e, x; Scont (" ", s", exp); er exp', while ( \* e !: '10') it (isalnum (\*e)) printf("y.[", Te); else if (\* e == '(1) push (\*e); else it ("e == ')') L == popus; while (== '(') afpopen & printf("y.(", x))

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else 1 while ( priorly (Stuck [top]) >= priority (\*e)) { prott("y.(", pop());} push (\*e); Output: enter expression: a+b\*C-d+h\*i abc \* + d - hi ++