```
#include<stdio.h>
#include<stdlib.h>
#define n 5
int top=-1; stack[n];
void push (int a)
    if(top==n-1)
     printf("Stack is full");
    else[
            top++;
     stack[top] = a;
int pop()
    int a;
    if (top==-1)
        printf("underflow");
    else[
        a=stack[top];
        printf("%d is popped",a);
        top--;
void display()
    if(top==-1)
```

```
void display()
    if(top==-1)
        printf("no elements");
   else
        while (top! =-1)
            printf("%d \n", stack[top]);
            top--;
void main()
    int a, choice;
    printf("Enter 1 Push, 2 Pop, 3 Display 4 Exit \n");
    while(1)
        printf("Enter choice \t");
        scanf ("%d", &choice);
        switch (choice)
            case 1: printf("Enter number to be inserted \t");
                    scanf ("%d", &a);
                    push(a);
            break:
            case 2: pop();
                    break;
            case 3: display();
                    break:
            case 4: exit(0);
```

Enter 1 Push, 2 Pop, 3 Display 4 Enter choice 1	Exit
Enter number to be inserted Enter choice 1	20
Enter number to be inserted Enter choice 1	50
Enter number to be inserted Enter choice 2 80 is poppedEnter choice 1	80
Enter number to be inserted Enter choice 3 Stack elements: 67 50	67
50 20	

01/01/2024 white a program to shimulate the worlding of stack using on array with the following geint ("overflow") peint | " value god has been puches"

void display ! peints (" stack in empty"); for (int i=tople i>=0; i-) y print (" % d n " stack [top]); void main() prints ("1. PUSH & D. POP 3. DISPLAY 4. Exit"); print (" Enter the choice is 1,2,3,4); son scan ("0/08, &choice); switch (choice) care!: prints ("Entre element to bepushed"); scamp (" of ad \n'; item); case 2: pop(); case 3: displayed default: exit(0);

I Waite a program to convert infix to postir expression The expression consist of single character operand and the binary operator + (plus) - (minus) of mula ply) and / (diride) Hindude Sitdio h> Hindude como. L> # include cating. h> in count =0, por =0, top = -1, lonj what symb, temp; void push (char symb) top = top +1; stack [top] = symb; chas pop() symb = ntack (Top); return symb, int preced (chair symb) switch syml) ease 11: case '-'; p=1.

SURYA Gold case '('. case ')': 7=0. setum p. voil itop (char inpx (), char portfix ()) chas symbol, temp; len = stilen (infix); hehile (count elen) symbol = infix flouring switch (symbol) iase (': push (symbol)) eare ')': temp = pop(); on hile (temp) = '(') portfix [por] = temp; Temp = pop(); brede; care 1-1; couse 11. rehile (preced (n+a ektop) > preced (nymbd)) portix por): temp;

posti;

q

pushloymld; 08/0 default: portfia (port-i) = symbolbeede count++; foid main () print ("enter in hix expression);

nen b ("opon in in hix);

print ("o orlor ente infin (4+(3/+)-(6+8)+2/8-4 437/68*-28/114-Enter infra expression: attac-d+hai alc ++ d-hi++ care in mining the colored to the ce let

```
Enter the expression : 4+(3//7)-(6*8)+2/8-4
43/7/+68*-28/+4-
Process exited after 12.95 seconds with return value 0
Press any key to continue . . .
```