Ambekon Monish
1BMI8CS012

```c
#include <stdio.h>
#include <ctype.h>

char stack[100];
int top = -1;
void push(char n)
{
    stack[++top] = n;
}

char pop()
{
    if(top == -1)
        return -1;
    else
        return stack[top--];
}

int priority(char n)
{
    if(n == 'C')
        return 0;
    if(n == '+' || n == '-')
        return 1;
    if(n == '*' || n == '/')
        return 2;
    return 0;
}
```

```c
int main()
{
    char exp[100];
    char *e, x;
    printf("Enter the expression: ");
    sconf("%s", exp);
    printf("\n");
    e = exp;
    while(*e != '\0')
    {
        if(isalnum(*e))
            printf("%c", *e);
        else if(*e == '(')
            Push(*e);
        else if(*e == ')')
        {
            while((x = pop()) != '(')
            printf("%c", x);
        }
        else
        {
            while(priority(stack[top]) >= priority(*e))
            printf("%c", pop());
            push(*e);
        }
        e++;
    }
}
```

```
while ( top ! = -1)
{
    printf ("%c", pop());
}

    return 0;
}
```