Program:

```
CD > Pract6 > C prog.c > ...
 1 #include <stdio.h>
 2 #include <string.h>
 3 void E();
4 void T();
 5 void F();
6 void Tds();
7 void Eds();
 8 char input[100];
9 int i, error = 0;
 10
 11 void main() {
21 void E() {
     T();
Eds();
22
 23
 24 }
     void T() {
 25
 26
     F();
Tds();
 27
 28
     void Eds() {
 29
      if (input[i] == '+') {
 30
       i++;
T();
Eds();
 31
 32
 33
 34
 35
     void Tds() {
 36
36 void los() {
37     if (input[i] == '*') {
38         i++;
39         F();
40         Tos();
41 }
 42
 43 void F() {
 44 > if (input[i] == 'a') {
         i++;
 45
        } else if (input[i] == '(') {
         i++;
 47
 48
         E();
 49
         if (input[i] == ')') {
         i++;
} else {
 50
 51
         error = 1;
}
 52
 53
       } else {
 54
 55
          error = 1;
    }
 56
```

Output:

```
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS D:\5th-Sem-Practicals> cd .\CD\Pract6\
PS D:\5th-Sem-Practicals\CD\Pract6> gcc prog.c

PS D:\5th-Sem-Practicals\CD\Pract6> ./a.exe

Please Enter the Input:
a+a+a

String is Accepted

PS D:\5th-Sem-Practicals\CD\Pract6>
```