

EX-5C:

PROGRAM:

```
#include<stdio.h>
#include<string.h>
#include<ctype.h>
int main()
{
    char
read[100],*token,*temp,*temp1;
    FILE *fp;
    fp=fopen("input.txt","r");
    while(fgets(read,100,fp) !=NULL)
    {
        token=strtok(read,"");
        temp=strtok(NULL,"");
        if(strstr(temp,"+"))
        {

temp=strtok(temp,"+");

temp1=strtok(NULL,";");

if(!strcmp(temp,token))
        {

if(strcmp(temp1,"0"))

printf("%s=%s+%s;\n",token,temp,
temp1);
        }
        else
        {

printf("%s=%s+%s;\n",token,temp,
temp1);
        }
        }
        else if(strstr(temp,"*"))
        {

temp=strtok(temp,"*");

temp1=strtok(NULL,";");

if(!strcmp(temp,token))
        {

if(strcmp(temp1,"1"))
```

```
printf("%s=%s*%s;\n",token,temp,
temp1);
        }
        else
        {

printf("%s=%s*%s;\n",token,temp,
temp1);
        }
        }
        else
        {

printf("%s=%s",token,temp);
        }
        }
    }
fclose(fp);
return 0;
}
```

INPUT.TXT:

```
v=i+s;
h=h*1;
v=n+u;
a=a+0;
u=m;
```

OUTPUT:

```
Z:\Computation\programs\Ex-5C>gcc
Ex5C.c
```

```
Z:\Computation\programs\Ex-5C>a.exe
v=i+s;
v=n+u;
u=m;
```