import java.io.\*;

public class Macro

{

public static void main(String args[])

throws IOException

{

BufferedReader br=new Bufferedreader(new FileReader("rkg.txt"));

String input[]=new String[20];

String macro[]=new String[20];

String output[]=new String[40];

String temp, mname="";

int i=0,j=1,k=0,o=0,m=0;

while((temp=br.readLine()!=null)

{

if(temp.indexOf("MACRO")!=-1)

{

macro[0]=temp;

while(true)

{

temp=br.readLine();

if(!(temp.equals("MEND"))

{

macro[j++]=temp;

}

else

break;

}

}

else

input[i++]=temp;

}

if(macro[0]!=null)

{

String x[]=macro[0].split("");

mname=x[1];

}

for(k=0;k<i;)

{

if(input[k].indexOf(mname)!=-1)

{

for(m=1;m<j;m++,o++)

output[o]="\*"+macro[m];

k++;

}

else

{

output[o]=input[k];

o++;

k++;

}

}

for(i=0;i<o;i++)

System.out.println(output[i]);

}

}

**INPUTFILE**

Prog START 2000

MACRO SUM

LDA #5

ADD #10

STA 2000

MEND

LDA LENGTH

COMP ZERO

JEQ LOOP

SUM

LENGTH WORD 5

ZERO WORD 0

LOOP SUM

END

**OUTPUT:-**

**Macro is:**

LDA #5

ADD #10

STA 2000

**Output is:**

Prog START 2000

LDA LENGTH

COMP ZERO

JEQ LOOP

-- >LDA #5

-- >ADD #10

-- >STA 2000

LENGTH WORD 0

ZERO WORD

-- >LDA #5

-- >ADD #10

-- >STA 2000

END