#include<stdio.h>

#include<stdlib.h>

#include<string.h>

#include<math.h>

#include<ctype.h>

void main()

{

int flag=0;

int op;

int count=0;

int v=0,i=0,j=0,k=0,d=0;

char c;

char m;

char arr[30]={0};

char mname[30]={0};

char arr1[30]={0};

char var[4]={0};

FILE \*fp,\*fp2,\*fp4;

fp=fopen("/home/vlsi/Desktop/Macropass1/Input.c","r");

fp2=fopen("/home/vlsi/Desktop/Macropass1/Output1.c","w");

fp4=fopen("/home/vlsi/Desktop/Macropass1/Output2.c","w");

fprintf(fp2,"\t\t\t\t\t\t Macro Name Table\n");

while(!feof(fp))

{

c=fgetc(fp);

while(isalpha(c))

{

arr[i]=c;

i++;

c=fgetc(fp);

}

if(c=='\n')

count++;

arr[i]='\0';

i=0;

j=strcmp(arr,"MACRO");

if(j==0)

{

{

if(c=='\n')

c=fgetc(fp);

while(c!=' ')

{

mname[v]=c;

v++;

c=fgetc(fp);

}

mname[v]='\0';

v=0;

fprintf(fp2,"%s \t",mname);

fprintf(fp2,"%d\n",count);

c=fgetc(fp);

count++;

if(c=='&')

{

c=fgetc(fp);

while(c!='\n')

{

var[v]=c;

if(var[v]=='&'||var[v]==',')

c=fgetc(fp);

v++;

c=fgetc(fp);

}

var[v]='\0';

v=0;

fprintf(fp4,"\n%s",var);

}

}

}

}

}