#include <stdio.h>

#include<math.h>

#include<string.h>

#define MAXROW 500

#define MAXCOL 500

int main()

{

int data[MAXROW][MAXCOL];

//char a[40];

int flag=0;

int i, j;

int r, c;

char s1[80],s2[80];

unsigned char ch;

FILE \*f;

f=fopen("wf5.pgm", "r");

if (f==NULL)

{

printf("Cannot open");

exit(1);

}

fgets(s1,80,f);

while(atoi(s1)!=255)

{

strcpy(s2,s1);

fgets(s1,80,f);

}

i=0;

while(s2[i]!=' ')

{

s1[i]=s2[i];

i++;

}

s1[i]='\0';

c=atoi(s1);

j=0;

while(s2[i]==' ')

i++;

while(s2[i]!='\0')

{

s1[j]=s2[i];

j++;

i++;

}

r=atoi(s1);

printf("Col:%d, Row:%d\n",c,r);

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

{

for(j=0;j<c;j++)

{

ch=fgetc(f);

data[i][j]=ch;

}

}

fclose(f);

f=fopen("testout.pgm", "w");

fprintf(f, "P2\n");

fprintf(f, "%d %d\n", c, r);

fprintf(f, "255\n");

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

{

for (j=0; j<c; j++)

fprintf(f, "%d\t", data[i][j]);

fprintf(f, "\n");

}

/\* for (i=0; i<r; i++)

{

for (j=0; j<c; j++)

printf("%d\t", data[i][j]);

}\*/

fclose(f);

}