#include <iostream>

using namespace std;

int main()

{

int n,m,i,j;

cin>>n>>m;

int \*\*arr=new int\*[n];

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

{

arr[i]=new int[m];

}

int counter=0;

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

{

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

{

arr[i][j]=counter;

counter++;

}

}

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

{

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

{

cout<<arr[i][j]<<" ";

}

cout<<endl;

}

//delete of dynamic memory allocated to 2-d array

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

{

delete [] arr[i];

}

delete [] arr; // for 1-d array we need to write only this line

}