#include <iostream>

#include <time.h>

#include <math.h>

#include <string>

#include <stdio.h>

#include <vector>

#include <stdlib.h>

using namespace std;

int main ()

{

int length;

cout<<"What length do you want: ";

cin>>length;

cout<<endl;

int \* foo;

foo = new int [length];

for(int i = 0 ; i < length; i ++)

foo[i] = i\*10;

for ( int j = 0 ; j < length; j++)

cout<<foo[j]<<endl;

int x;

cout<<"Change the size of your list to add x more : x = ";

cin>> x;

int \* new\_foo;

new\_foo = new int [length +x];

for(int k = 0 ; k < length; k++)

{

new\_foo[k] = foo[k];

}

for(int q = length; q < length + x; q++)

{

new\_foo[q] = q\*10;

}

for ( int y = 0 ; y < length +x ; y++)

{

cout<<new\_foo[y]<<endl;

}

return 0;

}