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// Lottery ticket generator

// Author: Sahil Bora

// File:main.cpp

// Made with Visual Studio 2010

//---------------------------------------------------------

#include <cstdlib>

#include <iostream>

#include <ctime>

using namespace std;

//-----------------------------------------------

// Public variables

//-----------------------------------------------

const int MIN = 1;

const int MAX = 45;

const int COLS = 6;

const int ROWS = 12;

//-----------------------------------------------

// Function prototypes

//-----------------------------------------------

void getLine(int line[]);

void printLine(int line[]);

bool duplicates(int num, int arr[], int size);

int main()

{

int row[COLS] = {0};

srand(time( NULL));

cout << "Your Tattslotto ticket\n\n";

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

{

getLine(row);

printLine(row);

}

system("PAUSE");

}

//-------------------------------------------------

// Bool duplicates function implementation

//-------------------------------------------------

bool duplicates(int num, int arr[], int size)

{

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

{

if(arr[j] == num)

return true;

}

return false;

}

//-----------------------------------------------

// Get line function implementation

//-----------------------------------------------

void getLine(int line[])

{

int rNum;

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

{

rNum = rand()%(MAX - MIN + 1) + MIN;

while(duplicates(rNum, line, i)== true)

rNum = rand()%(MAX-MIN+1)+ MIN;

line[i] = rNum;

}

}

void printLine(int line[])

{

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

cout << "\n" << line[i];

cout << endl << endl;

}