**Windows Version**

/\*

11/12/2017

Nabir Migadde/Melanie Sou

1648223/1606508

CISP 360 - M/W 1:30pm - 2:50pm

Spring 2017

Assignment #11 Lottery Winners

Find the winning lottery numbers

\*/

#include <iostream>

using namespace std;

//Lottery Winning Number Finder

int main (){

//Initialization of Variables

int winningNums[10] = {13579, 26791, 26792, 33445, 55555, 62483, 77777, 79422, 85647, 93121}; //Array of Winning Numbers

int searchNum;

int index = 0;

int position = -1;

int numElems = 10;

bool found = false;

cout << "Please enter this week's 5-digit winning lottery number: "; //Prompt user for their number

cin >> searchNum; //Variable that holds the user's number and searches it in the list

//Linear Searching for the Winning Numbers

while (index < numElems && !found) // Flag will be used

{

if(winningNums[index] == searchNum){ // If number is found then set flag to true

found = true;

position = index;

}

index++; //Increment index for the loop

}

if(found){

cout << "You have a winning ticket." << endl; //If the number is in the list, prompt user of winning number

} else {

cout << "You did not win this week." << endl; //If not then prompt the user that they didnt win

}

return 0;

}



