#include <iostream>

using namespace std;

void guessGame()

{

int answer;

int guess;

char response;

do

{

answer = 1 + rand() % 1000;

cout << "I have a number between 1 and 1000.\n"

<< "Can you guess my number?\n"

<< "Please type your first guess." << endl << "? ";

cin >> guess;

while ( !isCorrect( guess, answer ) )

cin >> guess;

cout << "\nExcellent! You guessed the number!\n"

<< "Would you like to play again (y or n)? ";

cin >> response;

cout << endl;

} while ( response == 'y' );

}

bool isCorrect( int g, int a )

{

if ( g == a )

return true;

if ( g < a )

cout << "Too low. Try again.\n? ";

else

cout << "Too high. Try again.\n? ";

return false;

}

int main()

{

srand( time( 0 ) );

guessGame()

}