GUESS THE NUMBER

Vasou ulohou je naprogramovat hru, v ktorej ma pouzivatel uhadnut cislo nahodne vygenerovane pocitacom.

```
Pick a number between 1 and 100. You have max. 5 attempts.
Your 1. guess: 50
Hmm... My number is bigger than yours.
Your 2. guess: 75
Hmm... My number is bigger than yours.
Your 3. guess: 87
Hmm... My number is smaller than yours.
Your 4. guess: 81
Hmm... My number is bigger than yours.
Your 5. guess: 84
Hmm... My number is smaller than yours.
Game over. My number was 82.
```

Pre tuto ulohu vytvorte novu triedu GuessTheNumber.

Celu logiku hry naprogramujte v cykle while.

Hra sa skonci, ak pouzivatel uhadne cislo, alebo vyuzie vsetky svoje pokusy.

Vas kod by mal obsahovat nasledujuce metody:

int getGuess();   metoda opyta pouzivatela input, skontroluje, ci je input cislo a ci je kladne

                    - ak ano, cislo bude navratova hodnota
                    - ak nie, vrati -1

int getSecret(int start, int end);   metoda vygeneruje nahodne cislo z intervalu <start, end> a vrati ho. Spociatku zadajte tieto hodnoty rucne v kode, no neskor naimplementujte moznost pouzivatela zadat vlastny interval.

Samozrejme, mozete napisat aj vlastne metody a pouzit ich.

Bonus: Naimplementujte hernu slucku, ktora sa na konci hry opyta pouzivatela, ci chce pokracovat dalej v hre.

```
Pick a number between 1 and 100. You have max. 5 attempts.
Your 1. guess: 50
Hmm... My number is bigger than yours.
Your 2. guess: 75
Congratulations! You found it!
Play again? (y/n) n
See you later!
```

Dalsia podobna (dobrovolna) uloha:

Naprogramujte hru Guess The Number, ale naopak. Hrac si bude mysliet cislo a pocitac bude hadat.

```
Please think of a number between 0 and 100!
Is your secret number 50?
Enter 'h' to indicate the guess is too high. Enter 'l' to indicate the guess is too low. Enter 'c' to indicate I guessed correctly. l
Is your secret number 75?
Enter 'h' to indicate the guess is too high. Enter 'l' to indicate the guess is too low. Enter 'c' to indicate I guessed correctly. l
Is your secret number 87?
Enter 'h' to indicate the guess is too high. Enter 'l' to indicate the guess is too low. Enter 'c' to indicate I guessed correctly. h
Is your secret number 81?
Enter 'h' to indicate the guess is too high. Enter 'l' to indicate the guess is too low. Enter 'c' to indicate I guessed correctly. l
Is your secret number 84?
Enter 'h' to indicate the guess is too high. Enter 'l' to indicate the guess is too low. Enter 'c' to indicate I guessed correctly. h
Is your secret number 82?
Enter 'h' to indicate the guess is too high. Enter 'l' to indicate the guess is too low. Enter 'c' to indicate I guessed correctly. l
Is your secret number 83?
Enter 'h' to indicate the guess is too high. Enter 'l' to indicate the guess is too low. Enter 'c' to indicate I guessed correctly. c
Game over. Your secret number was: 83
```