WRITE A C++ PROGRAM TO SIMULATE THE HIGH-LOW GAME.

1) THE PROGRAM GENERATES AN INTEGER RANDOM NUMBER BETWEEN 1 AND 1000.

   WE CALL THIS NUMBER THE *SYSTEM NUMBER*.

2) THE PROGRAM PROMPTS THE PLAYER TO ENTER AN INTEGER NUMBER BETWEEN 1 AND 1000 (VIA THE KEYBOARD).

   WE CALL THIS NUMBER THE *GUESS NUMBER* (Please display it)

3) THE PROGRAM COMPARES THE *SYSTEM NUMBER* TO THE *GUESS NUMBER* AND DISPLAYS ONE OF THREE RESULTS:

   → *HIGH* IF GUESS NUMBER > SYSTEM NUMBER
   → *LOW* IF GUESS NUMBER < SYSTEM NUMBER
   → *WON* IF GUESS NUMBER = SYSTEM NUMBER

4) WHEN THE PLAYER WINS, THE PROGRAM DISPLAYS THE NUMBER OF TRIES AND PROMPTS THE USER IF HE/SHE WANTS TO PLAY AGAIN