

Seeing Stars

Seeing Stars is a number guessing game with a twist. You are given hints as to how close you are by a line of numbers that gets longer or shorter. The longer the line, the closer you are to the correct number. To make the game even harder you are only given 10 guesses to find the mystery number. Good luck!

Seeing Stars was written by Joseph Larson and was inspired by the BASIC game "Stars" by Bob Albrecht as found in 'BASIC Computer Games' edited by David H. Ahl © 1978.

STARS.C	You will need: a C/C++ compiler .
<pre>#include <stdio.h> #include <stdlib.h> #include <time.h> #include <math.h> #include <ctype.h> #define MAX 100 #define MAX_GUESS 10 int main () { int goal, guess, c, wins, loses; char yesno; float d; srand(time(NULL)); wins = 0; loses = 0; printf ("Seeing Stars\n-----\n") "This is a number guessing game with a twist. After every guess you\n" "will be given a number of stars to tell you how close you are to the\n" "number you are trying to guess. The more stars you see, the closer\n" "you are.\n" "You only have %d guesses, so think quick.\n\n", MAX_GUESS); do { goal = rand() % MAX + 1; guess = 0; printf ("\nI'm thinking of a number between 1 and %d.", MAX); for (c = 0; c < MAX_GUESS && guess != goal; c++) { printf ("\nWhat is your guess? "); scanf ("%d", &guess); for (d = MAX; (int)d > abs(guess - goal); d /= 2) printf ("***"); } if (guess != goal) { printf ("\nSorry, thats %d guesses. My number was %d.\n", MAX_GUESS, goal); loses ++; } else { printf ("*****\nBingo! You got my number.\n"); wins ++; } printf ("Do you want to play again? (y/n) "); while (!isalpha (yesno = getchar())); } while (tolower (yesno) != 'n'); printf ("\nWell then, you won %d out of %d games, or %d%%.\n", wins, wins + loses, wins * 100 / (wins + loses)); exit (0); }</pre>	

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STARS.EXE
I'm thinking of a number between 1 and 100.
What is your guess? 50
*****
What is your guess? 25
****
What is your guess? 75
*****
What is your guess? 80
*****
What is your guess? 77
*****
What is your guess? 74
*****
Bingo! You got my number.
Do you want to play again? (y/n)_
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