

Oppimispäiväkirja  
Ohjelmoinnin syventävät tekniikat

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OPPIMISPÄIVÄKIRJA

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# Tehtävä 1

import java.util.Scanner;

import java.util.Random;

public class guess\_random {

static int guess() {

Scanner scan = new Scanner(System.in);

System.out.println("Enter a guess (1 - 100): ");

scan.close();

return scan.nextInt();

}

public static void main(String[] args) {

Random rand = new Random();

int correct = rand.nextInt(100) + 1;

for (int i = 0; i < 7; i++) {

int guess = guess();

if (guess == correct) {

System.out.println("You guessed correctly!");

return;

}

}

System.out.println("You ran out of attempts.");

System.out.println("Correct answer was " + correct);

return;

}

}

# Tehtävä 2

import java.time.LocalDate;

public class Birthday {

public static void main(String[] args) {

String birthdateValue = System.getenv("BIRTHDATE");

LocalDate birthdate = LocalDate.parse(birthdateValue);

LocalDate today = LocalDate.now();

if (isSameDate(today, birthdate)) {

System.out.println("Happy birthday!");

}

long daysOld = today.toEpochDay() - birthdate.toEpochDay();

System.out.println(String.format("You are %d days old.", daysOld));

if (daysOld % 1000 == 0 && daysOld > 0) {

System.out.println("That's a nice round number!");

}

}

public static boolean isSameDate(LocalDate date1, LocalDate date2) {

return date1.getDayOfMonth() == date2.getDayOfMonth() &&

date1.getMonth() == date2.getMonth();

}

}