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| --- | --- |
| import java.util.Random; | |
|  | import java.util.Scanner; |
|  |  |
|  | // Coin toss/flip game in Java |
|  | public class CoinTossGame { |
|  |  |
|  | private enum Coin { |
|  | Head, Tail |
|  | }; |
|  |  |
|  | public static void main(String[] args) { |
|  | CoinTossGame game = new CoinTossGame(); |
|  | game.startGame(); |
|  | } |
|  |  |
|  | // Starts a coin flip game till user decides to quit. |
|  | private void startGame() { |
|  |  |
|  | Scanner scanner = new Scanner(System.in); |
|  | Coin guess; |
|  |  |
|  | while (true) { |
|  | System.out.print("Enter you guess (h for heads, t for tails, q to quit):"); |
|  | String choice = scanner.nextLine(); |
|  | if (choice.equalsIgnoreCase("q")) { |
|  | break; |
|  | } else if (choice.equalsIgnoreCase("h")) { |
|  | guess = Coin.Head; |
|  | } else if (choice.equalsIgnoreCase("t")) { |
|  | guess = Coin.Tail; |
|  | } else { |
|  | System.out.println("Wrong choice! Try again!"); |
|  | continue; |
|  | } |
|  |  |
|  | Coin toss = tossCoin(); |
|  | if (guess == toss) { |
|  | System.out.println("Congratulations! You won the toss!"); |
|  | } else { |
|  | System.out.println("Sorry! You lost the toss."); |
|  | } |
|  |  |
|  | } |
|  | scanner.close(); |
|  |  |
|  | } |
|  |  |
|  | // Flip a coin and return result |
|  | private Coin tossCoin() { |
|  | Random r = new Random(); |
|  | int i = r.nextInt(2); |
|  | if (i == 0) { |
|  | return Coin.Head; |
|  | } else { |
|  | return Coin.Tail; |
|  | } |
|  | } |
|  |  |
|  | } |