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\* Class:Dice\_Generator Ex.SB.3 Pg.#.# Author: Yin Linhai

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\* This program rolls an imaginary dice a thousand times and then prints out how many times it rolled each number

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\* School:Sir Winston Churchill High School, Calgary, Alberta, Canada

\* Language: Java SE 7.0Target Operating System: Java Virtual Machine

\* System:Intel Celeron 3GHz running under Windows 7 IDE: Eclipse 4.2

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**import** java.util.Random;

**public** **class** Dice\_Generator {

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\* **@param** args

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**public** **static** **void** main(String[] args) {

//variable initializations

**int** max = 7;

**int** []dice = **new** **int** [1000];

//object construction

Random roll = **new** Random();

//rolling and saving the value

**for** (**int** r = 0; r<dice.length; r++) {

**int** rolled = roll.nextInt(max);

**if** (rolled!=0) {

dice[r] = roll.nextInt(max);

}

}

//table header

System.*out*.println("Number rolled: Amount rolled:");

**for** (**int** n = 0; n<6; n++) {

//variable initialization

**int** count = 0;

//figure out how many of a number there was

**for** (**int** r = 0; r<dice.length; r++) {

**if** (dice[r] == (n+1)) {

count++;

}

}

//print out how many of a number there was

System.*out*.println((n+1) + "\t\t" + count);

//reset count

count = 0;

}

}

}