

Forum:[Hack Forums](#)

Thread: [How to make something happen randomly 'n' out of 'n' times?](#)

matt - February 5, 2017, 1:40 pm

It's a little embarrassing asking for help because I'm a pretty good programmer but unfortunately, I'm not that great at math, and so here's what I came up with. I know it's not the most efficient code so I would like to know if there's some other kind of alternative. :/

```
Code    public static void main(String[] args) {
        Random random = new Random();
        int numerator = 5, denominator = 100;
        boolean succeed = false;
        for(int i = 0; i < numerator; i++) {
            int chance = random.nextInt(denominator);
            if(chance == 0) {
                succeed = true;
                break;
            }
        }
        //do something if succeeded
    }
```

Stealth™ - February 5, 2017, 2:41 pm

You'll have to explain exactly what you're trying to do. From the code that you've posted, I can't even decipher what your intentions are. Are you wanting something to happen at a certain % chance?

matt - February 5, 2017, 3:07 pm

(Feb 5, 2017 03:41 PM)Stealth™ Wrote: [\[CITE\]](#) You'll have to explain exactly what you're trying to do. From the code that you've posted, I can't even decipher what your intentions are. Are you wanting something to happen at a certain % chance?

Yes pretty much, but I'm trying to represent it as a fraction.

Stealth™ - February 5, 2017, 4:44 pm

(Feb 5, 2017 04:07 PM)Midnight Blue™ Wrote: [\[CITE\]](#) Yes pretty much, but I'm trying to represent it as a fraction.

You should always check StackOverflow before bothering to make a thread, any question you have was probably answered years ago :P

<http://stackoverflow.com/questions/11552158/percentage-chance-of-saying-something>

matt - February 5, 2017, 5:17 pm

(Feb 5, 2017 05:44 PM)Stealth™ Wrote: [\[CITE\]](#) You should always check StackOverflow before bothering to make a thread, any question you have was probably answered years ago :P

<http://stackoverflow.com/questions/11552158/percentage-chance-of-saying-something>

I've come across this topic already, but it's not quite what I'm trying to do.

I have a numerator and a denominator and I want the numerator amount of rolls whilst the max value is the denominator and I want to refrain from changing it from a fraction to a percentage.

Stealth™ - February 5, 2017, 6:15 pm

(Feb 5, 2017 06:17 PM)Midnight Blue™ Wrote: [\[CITE\]](#) I've come across this topic already, but it's not quite what I'm trying to do.

I have a numerator and a denominator and I want the numerator amount of rolls whilst the max value is the denominator and I want to refrain from changing it from a fraction to a percentage.

Any fraction can be represented as a percentage though.

minimalist - February 5, 2017, 6:16 pm

Am I doing this wrong or is it not as trivial as you're making it out to be?

```
Code int numerator = 1;
int denominator = 8;
boolean happen = false;
```

```
Random num = new Random();
int gen = num.nextInt(denominator) + 1;
```

```
if (gen > 0 && gen <= numerator) {
    happen = true;
}
```

```
if (happen) {
    // do something
}
```

matt - February 5, 2017, 7:44 pm

(Feb 5, 2017 07:16 PM)Minimalist Wrote: [\[CITE\]](#) Am I doing this wrong or is it not as trivial as you're making it out to be?

```
Code int numerator = 1;
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Random num = new Random();
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if (gen > 0 && gen <= numerator) {
    happen = true;
}
```

```
if (happen) {
    // do something
}
```

Damn that was so simple lol smh thanks man this works fine :-)

I'm so dang bad at math my gosh