

HW

Wednesday, January 23, 2019 11:14 PM

1. Write a program that asks you to continue rolling two dice until you get a sum of 7. Once you get a sum of 7, you should stop rolling the two dice and indicate the number of rolls it took to get a 7.

2. see below

Write a method called `showTwos` that shows the factors of 2 in a given integer. For example, consider the following calls:

```
showTwos(7);  
showTwos(18);  
showTwos(68);  
showTwos(120);
```

These calls should produce the following output:

```
7 = 7  
18 = 2 * 9  
68 = 2 * 2 * 17  
120 = 2 * 2 * 2 * 15
```

3. see below

Write a method called `randomX` that prints a lines that contain a random number of "x" characters (between 5 and 20 inclusive) until it prints a line that contains 16 or more characters. For example, the output might look like the following:

```
xxxxxxx  
xxxxxxxxxxxxxxxx  
xxxxxxxxxxxxxx  
xxxxxxxxxxxxxxxx  
xxxxxxx  
xxxxxxxxxxxxxx  
xxxxxxxxxxxxxxxx
```