JAVA ASSIGNMENT 3: Barking Dog

We have a dog that likes to bark. We need to wake up if the dog is barking at night!

Write a method **shouldWakeUp** that has **2 parameters**.

1st parameter should be of type **boolean** and be named barking it represents if our dog is currently barking.

2nd parameter represents the **hour of the day** and is of type **int** with the name **hourOfDay** and has a valid range of **0-23**.

We have to wake up if the dog is barking **before 8 or after 22 hours** so in that case return **true**.

In all other cases **return false.**

If the **hourOfDay** parameter is **less than 0 or greater than 23** return **false**.

Examples of input/output:

* shouldWakeUp (true, 1); → should return **true**

* shouldWakeUp (false, 2); → should return false since the **dog is not barking.**

* shouldWakeUp (true, 8); → should return false, since it's not before 8.

* shouldWakeUp (true, -1); → should return false since the **hourOfDay** parameter needs to be in a range **0-23.**

TIP: Use the if else statement with multiple conditions.

NOTE: The **shouldWakeUp** method needs to be defined as public static like we have been doing so far in the course.

NOTE: Do not add a **main** method to solution code.