You are to create a simple 'Guess the number' game.

The program randomly chooses an integer between 1 and 100, and the user will have 10 trials to find out the number.

For any guess, x, the program prints either 'Greater than x', 'Less than x' or 'Congratulations! x is my number'. That way, the user can make informed decisions about the next guess to make.

If the user exhausts all 10 trials, 'You lose. My number is [number]' is printed and the program terminates.

If you are mathematically adept, show that it is **always** possible to win this game!

Hint:

To generate a random number between 1 and 100, the below code snippet would be useful.

Note that you would have to import the 'random' module.

```
import random
random.randint(1, 101)
```