Highest Palindromic Product

A palindromic number reads the same both ways. The largest palindrome made from the product of two 2-digit numbers is `9009 = 91 * 99`. Find the largest palindrome made from the product of two 3-digit numbers.

Enter your code into `palindrome.py`.

A Note on Optimization

This problem has some scope for optimization – a smart algorithm or special functions can speed up the execution of the program many times over. If you have a fairly advanced programming knowledge, you can try and optimize.

Always remember, though: it's more important that your code is bug-free, reusable and readable. More often than not, you will lose more time in implementing optimized code than you will gain from running it.

"The first rule of program optimization: Don't do it. The second rule of program optimization (for experts only!): Don't do it yet."

Notes:

- The script also times the execution of your code using the `time` module. `time.clock()` calculates the "real time" since the start of the program or process – useful for benchmarking and optimization.
- A nice way to test if a positive integer is palindromic:

```
str(n) == str(n)[::-1] # Returns 'True' if n is a palindrome
```