

```

public class LargestPalindromeProduct {

    public static void main(String[] args) {
        int mult = 0;
        int max=0;
        for(int i=100; i<1000; i++) {
            for(int j=100; j<1000; j++) {
                mult=i*j;
                if(isPalindrome(mult)&&max<mult) {
                    max=mult;
                }
            }
        }
        System.out.println(max);
    }

    public static boolean isPalindrome(int num) {
        int number = num;
        int reversedNum = 0;
        while(number>0) {
            int digit = number%10;
            reversedNum = reversedNum*10+digit;
            number/=10;
        }
        if(num==reversedNum) {
            return true;
        }
        else {
            return false;
        }
    }
}

```