**Problem Statement:** We have to find and print the largest palindrome made from the product of two 3-digit numbers which is less than n

**Eg**: If the given number is 800000, we print 793397

|  |  |
| --- | --- |
| **Expected Input** | **Expected Output** |
| 800000  111111  888778  123456 | 793397  111111  887788, 886688  123321 |

**Pseudo code**

1. Start
2. Input number, **n**
3. Set a = 0
4. If n <= 999\*999
   1. while a = 0 do the following
      * div = 999
      * p = CALL ispal(n)
      * If p = 1 then
        + while n%div != 0 do the following
        + div = div -1
      * Print div,n/div,n
      * l1 = CALL getlen(div)
      * l2 = CALL getlen(n/div)
      * If l2 = 3 && l1 = 3 then
        + a =1
      * Else
        + n=n-1
5. Else
   1. Print n
6. Stop

**Final Result :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Expected input** | **Expected output** | **Actual output** | **Test result** |
| 800000  111111  888778  123456 | 793397  111111  887788, 886688  123321 | 793397  111111  887788, 886688  123321 | Pass  Pass  Pass  Pass |

**LARP File link:** [**https://drive.google.com/open?id=1tHTgl8St7A7hkNtlATuejoAXEkjAGjwp**](https://drive.google.com/open?id=1tHTgl8St7A7hkNtlATuejoAXEkjAGjwp)

**Screenshots:**







