**Problem Statement:** We have to find the smallest positive number that is evenly divisible(divisible with no remainder) by all of the numbers from 1 to a given number n

**Eg**: If the given number is 10, we print 2520

|  |  |
| --- | --- |
| **Expected Input** | **Expected Output** |
| 10  2  1  14 | 2520  4  2  360360 |

**Pseudo code**

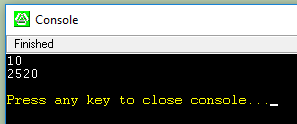
1. Start
2. Input number, **n**
3. Set i=n+1
4. Set c=0
5. Set flag=1
6. while flag=1 do the following
   1. c=0
   2. for j = 1 to n, do
   3. if i%j=0 then
      * c=c+1
   4. if c=n then
      * flag=0
   5. i=i+1
7. Print i-1
8. Stop

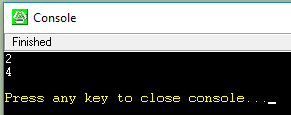
**Final Result :**

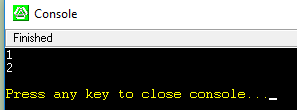
|  |  |  |  |
| --- | --- | --- | --- |
| **Expected input** | **Expected output** | **Actual output** | **Test result** |
| 10  2  1  14 | 2520  4  2  360360 | 2520  4  2  360360 | Pass  Pass  Pass  Pass |

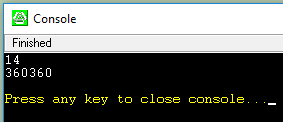
**LARP File link:** [**https://drive.google.com/open?id=1bp54zFXQpDmvzVSQIUpNsRD3isP7mt9C**](https://drive.google.com/open?id=1bp54zFXQpDmvzVSQIUpNsRD3isP7mt9C)

**Screenshots:**

****

****

****

****