1. ****Python Program for Find largest prime factor of a number.****

**import math**

**def maxPrimeFactors (n):**

**maxPrime = -1**

**while n % 2 == 0:**

**maxPrime = 2**

**n >>= 1 # equivalent to n /= 2**

**for i in range(3, int(math.sqrt(n)) + 1, 2):**

**while n % i == 0:**

**maxPrime = i**

**n = n / i**

**if n > 2:**

**maxPrime = n**

**return int(maxPrime)**

**# Driver code to test above function**

**n = 15**

**print(maxPrimeFactors(n))**

**n = 25698751364526**

**print(maxPrimeFactors(n))**

****OUTPUT****

