**Python Program for Efficient program to print all prime factors of a given number**

**import math**

**def primeFactors(n):**

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

**print(2),**

**n = n / 2**

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

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

**print(i),**

**n = n / i**

**if n > 2:**

**print(n)**

**n = 412**

**primeFactors(n)**

