Program to find the prime factors of the number

Step 1 :Initiate variable and take input from the user.

If condition for if input is 1 as it do not have any factors, it is called Unit.

Step2 : Logic run for loop from 2 till number is reached, in each iteration check if num%i ==0 and if yes print i, as we now have one factor, to remove it from calculation we need to divide it from input number. and continue with loop.

Step 3 : If number is not evenly divisible but greater than 2, print it.

```
                          Start
                            |
                            v
                 Initiiate variables and take
                           input
                            |
                            v
                       if input==1  -----> print - The number 1 is called a
                            |                               unit.
                            v                 It has no prime factors and is
              for(int i = 2; i< num; i++)        neither prime nor composite
                            |                            |
                            v                            |
  False          while(num%i == 0)                       |
    |                       | True                        |
    |                       v                             |
    +----- Print i and num/i                              |
                                              if num>2 ------ False
                                                 | True           |
                                                 v                v
                                            print num --------> End
```