

18. Write a java program to print all the prime factors of the given number

Algorithm: 1. Start

2. Read the input a

3. Use for loop with $(i=2; i*i \leq a; i++)$

4. while $(a \% i == 0)$ is true then calculate $a = a / i$

5. Print i . Check again 4. If false-Go to 6 step

6. If $(a \neq 1)$ is true then print a . (i.e. a is prime no)

7. Stop

Flowchart:

