# Practical 8

**Aim : Write a program that reads an integer and displays all its smallest factors in increasing order. For example if input number is 120, the output should be as follows:2,2,2,3,5.**

**Code :**

```java
import java.util.*;

class Practical8
{
    public static void main(String args[])
    {
        Scanner a=new Scanner(System.in);
        System.out.println("Enter number : ");
        int n=a.nextInt();
        int i=2;
        while(n/i>1)
        {
            if(n%i==0){
                System.out.print(i+",");
                n=n/i;
            }
            else
                i++;
        }
        System.out.print(n);
    }
}
```

## Output :



C:\Windows\System32\cmd.exe                                                    —  □  X

C:\Users\SI\OneDrive\Desktop\BE SEM 4\05_ OBJECT ORRIENTED PROGRAMMING -1\220133107008>javac Practical8.java

C:\Users\SI\OneDrive\Desktop\BE SEM 4\05_ OBJECT ORRIENTED PROGRAMMING -1\220133107008>java Practical8
Enter number :
120
2,2,2,3,5