

```
import java.util.Scanner;

public class code59 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number = ");
        int n = sc.nextInt();
        int p = 2;
        while(n>1){
            int k=0;
            while(n%p==0){
                n=n/p;
                k++;
            }
            if(k>0)
                System.out.print(p + "^" + k + "*");
            p++;
        }
    }
}
```