

All Divisors Of A Number in Java

Given a natural number n, print all distinct divisors of it.



Examples:

Input : n = 10

Output: 1 2 5 10

Input: n = 100

Output: 1 2 4 5 10 20 25 50 100

Input: n = 125

Output: 1 5 25 125

```
import java.util.Scanner;

public class DivisorsUsingWhileLoop {
    public static void main(String[] args) {
        int num = 12;
        int i = 1;
        System.out.print("The divisors of " + num + " are: ");
        while (i <= num) {
            if (num % i == 0) {
                System.out.print(i + " ");
            }
            i++;
        }
    }
}
```

Output

The divisors of 12 are: 1 2 3 4 6 12