

40. Write a program to break an integer into a sequence of digits.

Test Data

Input six non-negative digits: 123456

Expected Output :

1 2 3 4 5 6

```
import java.util.Scanner;
public class Exercise40 {

    public static void main(String[] args)
    {
        Scanner scnr = new Scanner(System.in);
        System.out.print("Input six non-negative digits: ");
        int input = scnr.nextInt();
        int n1 = input / 100000 % 10;
        int n2 = input / 10000 % 10;
        int n3 = input / 1000 % 10;
        int n4 = input / 100 % 10;
        int n5 = input / 10 % 10;
        int n6 = input % 10;
        System.out.println(n1 + " " + n2 + " " + n3 + " " + n4 + " " + n5 + " " +
n6);
    }
}
```