

Specification

Copy the program [DigitPlay.java](#) and implement the TBI (To Be Implemented) method named **play(Result r)**.

Your program cannot contain any **import** statements.

Your **play(Result r)** method cannot call any other methods.

The output of your program must match the following. {[output file](#)}

```
number: 5
  # of digits: 1
  smallest digit: 5
  largest digit: 5
  digit range: 0
  digit sum: 5
  digit average: 5.0
  digit product: 5

number: 42
  # of digits: 2
  smallest digit: 2
  largest digit: 4
  digit range: 2
  digit sum: 6
  digit average: 3.0
  digit product: 8

number: 127
  # of digits: 3
  smallest digit: 1
  largest digit: 7
  digit range: 6
  digit sum: 10
  digit average: 3.333333333333335
  digit product: 14

number: 1024
  # of digits: 4
  smallest digit: 0
  largest digit: 4
  digit range: 4
  digit sum: 7
  digit average: 1.75
  digit product: 8 (no multiply by 0)

number: 32767
  # of digits: 5
  smallest digit: 2
  largest digit: 7
  digit range: 5
  digit sum: 25
  digit average: 5.0
  digit product: 1764

number: 2147483647
  # of digits: 10
  smallest digit: 1
  largest digit: 8
  digit range: 7
  digit sum: 46
  digit average: 4.6
  digit product: 903168

number: 9223372036854775807
  # of digits: 19
  smallest digit: 0
  largest digit: 9
  digit range: 9
  digit sum: 88
  digit average: 4.631578947368421
  digit product: 179233689600 (no multiply by 0)
```