Part 1: Loops

Pie Approximation: Used linear increase of iterations instead of a fixed (batch-size like) count of iterations.

<terminated> Leibniz [Java Application] D:\Program_Files\Java\jdk1.8.0_202\bin\javaw.e π is estimated as 3.141603 after 100001 iterations

Part 2: 2D Arrays

- 1. Printing Matrix
- 2. Spiral Matrix Print from Leetcode

```
<terminated> SpiralMatrix [Java Application] D:\Program_Files\Java\jdk1.8.0_202\bin\javaw.exe (Sep 18, 2025, 11 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Spiral order: 1 2 3 4 8 12 16 20 19 18 17 13 9 5 6 7 11 15 14 10
```

Part 3: Strings

1. Acronym for string

```
Input : as soon as possible
Acronym: ASAP

Input : The quick brown fox jumps over the lazy dog
Acronym: TQBFJOTLD
```

2. Mirror String Generator

Reverse and paste

```
<terminated> MirrorString [Java Application] D:\Program_
Mirror of "hello" is "helloolleh"
Mirror of "java" is "javaavaj"
Mirror of "a" is "aa"
```