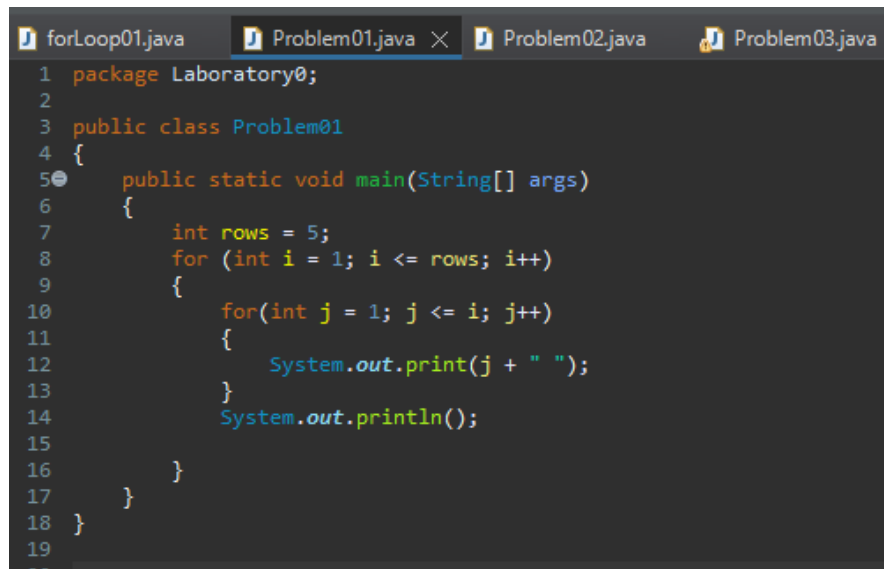


Name:	Laboratory Number: 002
Section:	Date Submitted:

Problem 1: Number Pattern

Source Code (Full source code)

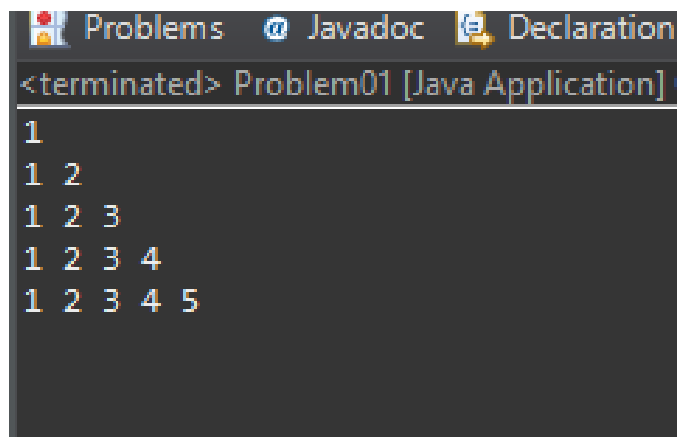


```

1 package Laboratory0;
2
3 public class Problem01
4 {
5     public static void main(String[] args)
6     {
7         int rows = 5;
8         for (int i = 1; i <= rows; i++)
9         {
10             for(int j = 1; j <= i; j++)
11             {
12                 System.out.print(j + " ");
13             }
14             System.out.println();
15         }
16     }
17 }
18
19
20

```

Output (Screenshot)



```

Problems Javadoc Declaration
<terminated> Problem01 [Java Application]
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5

```

Problem 2: Reverse Number

Source Code (Full source code)

```
1 package Laboratory0;
2 import java.util.Scanner;
3
4 public class Problem02
5 {
6     public static void main(String[] args)
7     {
8         Scanner sc = new Scanner(System.in);
9         System.out.print("Enter the Number: ");
10
11         int number = sc.nextInt();
12         int reversedNumber = reverseDigits(number);
13         System.out.println("\nReversed Digits: " + reversedNumber);
14     }
15
16     public static int reverseDigits(int number)
17     {
18         int reversedNumber = 0;
19
20         while (number != 0)
21         {
22             int digits = number % 10;
23             reversedNumber = reversedNumber * 10 + digits;
24             number /= 10;
25         }
26         return reversedNumber;
27     }
28 }
29
30
```

Output (Screenshot)

```
<terminated> Problem02 [Java Application] C:
Enter the Number: 123456

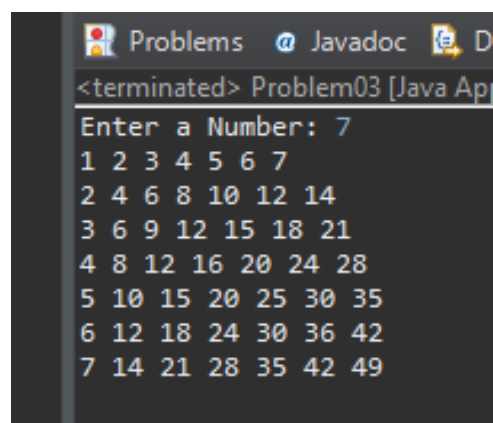
Reversed Digits: 654321
```

Problem 3: Multiplication Table

Source Code (Full source code)

```
1 package Laboratory03;
2
3 import java.util.Scanner;
4
5 public class Problem03
6 {
7     public static void main(String[] args)
8     {
9         Scanner sc = new Scanner(System.in);
10
11         System.out.print("Enter a Number: ");
12         int n = sc.nextInt();
13
14         for (int i = 1; i <= n; i++)
15         {
16             for (int j = 1; j <= n; j++)
17             {
18                 System.out.print(i * j + " ");
19             }
20             System.out.println();
21         }
22     }
23 }
24
25
```

Output (Screenshot)



```
Problems @ Javadoc D
<terminated> Problem03 [Java Ap
Enter a Number: 7
1 2 3 4 5 6 7
2 4 6 8 10 12 14
3 6 9 12 15 18 21
4 8 12 16 20 24 28
5 10 15 20 25 30 35
6 12 18 24 30 36 42
7 14 21 28 35 42 49
```