

MULTIPLICATION TABLE

Code:

```
2 package com.mycompany.multiplicationtable;
3
4 public class MultiplicationTable {
5
6     public static void main(String[] args) {
7         System.out.println("Multiplication Table");
8
9         // Print header row (1 to 9)
10        System.out.print("    ");
11        for (int j = 1; j <= 9; j++) {
12            System.out.print(j + " ");
13        }
14        System.out.println();
15
16        // Print table rows
17        for (int i = 1; i <= 9; i++) {
18            System.out.print(i + " | ");
19            for (int j = 1; j <= 9; j++) {
20                System.out.print((i * j) + " ");
21            }
22            System.out.println();
23        }
24    }
25 }
```

Output:

Multiplication Table										
	1	2	3	4	5	6	7	8	9	
1	1	2	3	4	5	6	7	8	9	
2	2	4	6	8	10	12	14	16	18	
3	3	6	9	12	15	18	21	24	27	
4	4	8	12	16	20	24	28	32	36	
5	5	10	15	20	25	30	35	40	45	
6	6	12	18	24	30	36	42	48	54	
7	7	14	21	28	35	42	49	56	63	
8	8	16	24	32	40	48	56	64	72	
9	9	18	27	36	45	54	63	72	81	