

## Experiment 1.1

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**Date of performance: 16/08/2022**

**Branch: BE-CSE**  
**Section/Group: 21BCS-605(A)**  
**Subject name: OOPs Using JAVA**

**AIM:** Write a program to print table by taking input from the user. In the form of “2 x 1 = 2”.

### OBJECTIVE:

To understand the concept of loops in java.

### PROGRAM CODE:

```
package Java;

import java.util.*;

public class ws1 {
    public static void main(String[] args) {
        Scanner num = new Scanner(System.in);
        System.out.println('\n');
        System.out.print("Enter number you want to print table of ");
        int k = num.nextInt();
        System.out.println('\n');
        System.out.println("Name : Shivam Kumar");
        System.out.println("UID - 21BCS2124");
        System.out.println('\n');
        for (int i = 1; i <= 10; i++) {
            System.out.println(k + " x " + i + " = " + k * i);
        }
        num.close();
    }
}
```

## OUTPUT:

✓ **Sample Test case 0**

Input (stdin)[Download](#)

1	2
---	---

Your Output (stdout)

1	2 x 1 = 2
2	2 x 2 = 4
3	2 x 3 = 6
4	2 x 4 = 8
5	2 x 5 = 10
6	2 x 6 = 12
7	2 x 7 = 14
8	2 x 8 = 16
9	2 x 9 = 18
10	2 x 10 = 20

✓ **Sample Test case 0**

Expected Output[Download](#)

1	2 x 1 = 2
2	2 x 2 = 4
3	2 x 3 = 6
4	2 x 4 = 8
5	2 x 5 = 10
6	2 x 6 = 12
7	2 x 7 = 14
8	2 x 8 = 16
9	2 x 9 = 18
10	2 x 10 = 20

Enter number you want to print table of 19

Name : Shivam Kumar

UID - 21BCS2124

```

19 x 1 = 19
19 x 2 = 38
19 x 3 = 57
19 x 4 = 76
19 x 5 = 95
19 x 6 = 114
19 x 7 = 133
19 x 8 = 152
19 x 9 = 171
19 x 10 = 190
  
```

### Learning outcomes (What I have learnt):

1. We have learned about different types of loops in Java.
2. We have learned how to use loops in different programs in Java.
3. We have learned about how to apply mathematical logic in loops in Java.

### Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Student Performance (Conduct of experiment) objectives/Outcomes.		12
2.	Viva Voce		10
3.	Submission of Work Sheet (Record)		8
	Total		30