

# QUESTIONS 54-65

## BASIC FOR LOOP

**Q54.** Ask a number from user. Print all the numbers from 1 to that number.

**Q55.** Ask a number (**N**) from user. Print all the numbers from **N** to **1**.

**Q56.** Ask start number and end number from user. Print all the numbers from **start** to **end** using while loop.

**Q57.** Calculate the **sum** of all the numbers from 1 to 10.

**Q58.** Calculate product of all the numbers from 1 to 10.

**Q59.** Calculate how many numbers are divisible by 7 from 1 to 100.

**Q60.** Calculate how many numbers are divisible by both **6** and **7** between 1 to 200.

**Q61.** Write a program to calculate the sum of all the numbers divisible by 4 from 20 to 50.

### DO ON YOUR OWN

**Q62.** Calculate how many numbers are divisible by 6 and 7 between 1 to 200.

**Q63.** Ask a number from user. Print the multiplication table of that number.

Example

Enter a number = 8

8 x 1 = 8

8 x 2 = 16

8 x 3 = 24

.....

$$8 \times 10 = 80$$

**Q64.** Calculate factorial of a number entered by user.

Example:

Enter a number = 5

**Factorial of a number means product of all the numbers from 1 to that number.**

$$5 \text{ factorial} = 5 \times 4 \times 3 \times 2 \times 1$$

Output = 120

**Q65.** Ask to numbers **x** and **y** from the user. If **x<y** then print all the numbers from x to y, but if **y<x** then print all the numbers from y to x.