

QUESTIONS 42-53

BASIC WHILE LOOP

Q42. Ask a number from user. Print all the numbers from 1 to that number.

Q43. Ask a number (**N**) from user. Print all the numbers from **N** to **1**.

Q44. Ask start number and end number from user. Print all the numbers from **start** to **end** using while loop.

Q45. Calculate the **sum** of all the numbers from 1 to 10.

Q46. Calculate product of all the numbers from 1 to 10.

Q47. Calculate how many numbers are divisible by 7 from 1 to 100.

Q48. Calculate how many numbers are divisible by both **6** and **7** between 1 to 200.

Q49. Write a program to calculate the sum of all the numbers divisible by 4 from 20 to 50.

DO ON YOUR OWN

Q50. Calculate how many numbers are divisible by 6 and 7 between 1 to 200.

Q51. 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

.....

$$8 \times 10 = 80$$

Q52. 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

Q53. 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.