



- Q1. Write a program that uses a **for loop** to print the first 10 positive integers (1, 2, 3, ..., 10) to the console.
- Q1.1: Modify Q1 and print numbers from (10 to 1)
- Q1.2. Modify Q1 & 1.1 and use (While loop)
- Q2. Write a C++ program that uses a for loop to print the even numbers between 1 and 50.
- Q2.5: Modify the Q2 and find how many even numbers between 1-50.
- Q3. Write a C++ program that finds the sum of 10 random numbers (use for loop)
- Q4. Write a C++ program that uses a for loop to ask a user to input 5 numbers and find the square of each number.
- Q5. Write a C++ code that asks user to input 5 numbers and check the number is positive or negative. (Use while loop)
- Q6. Create a C++ program that prompts the user to enter an integer and then calculates its factorial. (Example: 4! = 4*3*2*1)
- Q7. Write a C++ program that prompts the user to enter a number. Using a for loop, check if the number is prime or not and display "The number is Prime" or "The number is NOT Prime".
- Q7.5. (H.W) Modify Q7 and find how many prime numbers between 1 to 100.
- Q8- Create a program that counts all the even and odd numbers between a range of two numbers inserted by user and find the sum of all of them.

 Use while loop.

Output example:

Enter lowest: 5
Enter highest: 60

There are 28 odds and 28 even numbers.

The sum of all is 1820.





Q9. Create a calculator that repeats doing calculation for any two numbers of user inserts and will exit if user decided to not use it.

Use while loop.

Output example:

Enter Number 1: 5

Enter number 2: 8

Enter operation sign: +

5 + 8 = 13

Press Y or y to do another operation or any other key to exit. Y

Enter Number 1: 4

Enter number 2: 8

Enter operation sign: *

4 * 8 = 32

Press Y or y to do another operation or any other key to exit. N