**From: https://www.geeksforgeeks.org/left-shift-right-shift-operators-c-cpp/**

**Right Shift :**

**Denoted as : >>**

**Eg: N>>i (N: first operand, i: second operand)**

Takes two numbers, right shifts the bits of the first operand, the second operand decides the number of places to shift. In other words right shifting an integer “**x**” with an integer “**y**” denoted as ‘**(x>>y)**‘ is equivalent to dividing x with 2^y.

**eg:** lets take **N=32**; which is **100000** in Binary Form.

     Now, if “*N is right-shifted by 2*” **i.e N=N>>2** then **N** will become **N=N/(2^2)**. Thus, **N=32/(2^2)=8** which can be written as **1000**.

/\* C++ Program to demonstrate use of right

   shift operator \*/

#include <iostream>

using namespace std;

int main()

{

    // a = 5(00000101), b = 9(00001001)

    unsigned char a = 5, b = 9;

    // The result is 00000010

    cout <<"a>>1 = "<< (a >> 1)<< endl;

    // The result is 00000100

    cout <<"b>>1 = "<< (b >> 1) << endl;

    return 0;