

# Number system

## Assignment Questions



**Q1 - Print the sum of the first 5 decimal numbers from 1 to 5 in binary format.**

(Easy)

Sample Input: 1,2,3,4,5

Sample Output: 1111

**Q2 - Given a natural number, find the number of 0's in the binary representation of that number.**

(Medium)

**Note: Don't count the preceding zeros.**

**For example: 001001 has 2 zeros as the first two zeros from left are preceding zeros.**

Sample Input: 9

Sample Output: 2

Explanation: As the binary representation of 9 is 1001

Sample Input: 6

Sample Output: 1

Explanation: As the binary representation of 6 is 0110

**Q3 - Given two binary numbers, return the greatest of these numbers in decimal format.**

(Easy)

Sample Input: 1001 and 0100

Sample Output: 9