

# Questions On Bit Manipulation, Searching , Recursion | Assignment (weekly)

Question 1 :

Given a number N , count number of SET bits (having 1) in binary format of number N.

INPUT - 26

OUTPUT : 3

Explanation :

N = 26 , binary value = 11010 , count of set bits (having value 1) = 3.

HINT : - Make use of bit manipulation concept .

<https://leetcode.com/problems/number-of-1-bits/> --- submit here

Question : 2 -

<https://leetcode.com/problems/sqrtx/>

Q3.

<https://leetcode.com/problems/find-first-and-last-position-of-element-in-sorted-array/>

Q4.

Write a program to compute the power of a number.

Input - x = 10 , y = 5 , calculate = (x^y)

Output : - 100000

Example -

pow(n, 5) will give you n to the power 5. Use recursion in it.

def pow(x,y):

#write code here

Q5.

<https://leetcode.com/problems/majority-element/> .

Write Time and Space Complexity of Questions(1-5).

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