***Week – 4 (19.04.2021 – 25.04.2021)***

***CODES BASED ON WEELKY TASK***

1. ***Number of 1 Bits:***

class Solution {

public:

int hammingWeight(uint32\_t n) {

int count = 0, i;

for(i=0; i<32; i++)

{

if(1 & n) count++;

n>>=1;

}

return count;

}

};

1. ***Power of Two:***

class Solution {

public:

bool isPowerOfTwo(int n) {

if(n <= 0) return false;

int i;

for(i=0; i<32; i++)

if(n & (n-1)) return false;

return true;

}

};