**I have an Integer array where every number appears even number of time except one. Find that number.**

This problem can be solved by utilizing bitwise operators in O(1) space and O(n) time complexity. XOR all the number together and the final result would the odd number.

private int[] array = {1,1,2,3,4,5,2,3,4};

public int findSingleOdd(){

int result =0;

for (int i : array) {

result=result^i;

}

return result;

}

Output: 5