3. Single number

Given a non-empty array of integers nums, every element appears twice except one number. Find that number

public static int findSingleNumber(int a[]){  
int singleNumber=0;  
 for(int i:a){  
  
 singleNumber=singleNumber^i;  
 }  
 return singleNumber;  
}

This works only for if any two elements present twice only. Not more than thrice.

4. Palindrome number

Given integer x, return true if x is a palindrome and false otherwise.

5. Trailing zeros for a factorial

int a=100;  
int zeros=0;  
  
while(a>0){  
a=a/5;  
zeros=zeros+a;  
}  
  
System.*out*.println(zeros);

6. Roman to Integer

Map<Character, Integer> map = new HashMap<>();  
map.put('I', 1);  
map.put('V', 5);  
map.put('X', 10);  
map.put('L', 50);  
map.put('C', 100);  
map.put('D', 500);  
map.put('M', 1000);  
  
int total = 0;  
for (int i = 0; i < s.length(); i++) {  
 int value = map.get(s.charAt(i));  
  
 if (i + 1 < s.length() && value < map.get(s.charAt(i + 1))) {  
 total -= value;  
 } else {  
 total += value;  
 }  
}