1. Missing Number from Array –
   1. N = Length of array + 1 // as one number is missing, we need to add 1 to the length
   2. Total = N \* (N+1) / 2
   3. Sum = Add all the array elements
   4. MissingNumber = Total – Sum
2. Remove Duplicate from array / arrayList
   1. First for loop to loop
   2. Second for loop-to-loop same array
   3. Compare first for loop value against second for loop and increment the count if value is equal, count = 0, count++
   4. If count = 1 that means values are not duplicated
   5. **int**[] numbers = {1,2,3,4,5,6,7,8,1,2,2,3,4,5,};
   6. **out put will be 6,7,8**

**for**(**int** i=0;i<numbers.length;i++) {

**int** count = 0;

**for**(**int** j=0;j<numbers.length;j++) {

**if**(numbers[i] == numbers[j]) {

count++;

}

}

**if**(count == 1) {

System.***out***.println(numbers[i]);

}

1. Perfect Number, (6: Divisors are 1, 2, 3, and their sum is 6.)
   1. Loop the number i.e. 6
   2. Number % i == 0 , sum /add all those divisors
   3. If number == sum, then Number is a Perfect Number.
2. String reverse, convert to character array, and add individual character to string.
   1. Char[] a = str.toCharArray()
   2. For loop char array and add to string, str = str+a[i]
3. Remove Duplicate from array and print complete array

**for**(**int** i=0;i<original.length;i++) {

**for**(**int** j=i+1;j<original.length;j++) {

**if**(original[i] == original[j]) {

original[j] = -1;

}

}

}

**for**(**int** i=0;i<original.length;i++) {

**if**(original[i] != -1) {

System.***out***.println(original[i]);

}