Android App Development Submission

Seasons of Code 2025

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1 Android Studio Installation

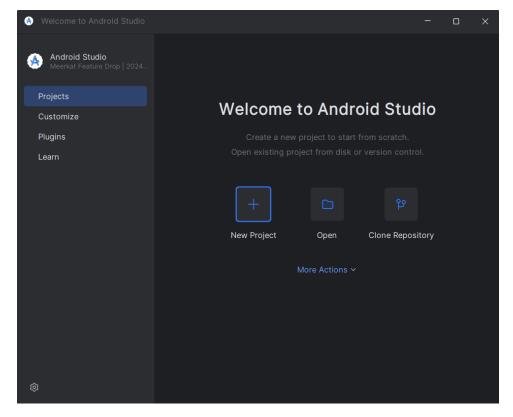


Figure 1: Android Studio

2 LeetCode Problems

2.1 2114. Maximum Number of Words Found in Sentences

```
</>Code
Java ∨         Auto
                                                                                               r<sub>y</sub> C {} □ ≡
    1 class Solution {
    2
           public int mostWordsFound(String[] sentences) {
                int countmax = 0;
    3
    4
                for(int i=0; i<sentences.length; i++){</pre>
    5
                    int count=1;
    6
                    for(int j=0; j<sentences[i].length(); j++){</pre>
    7
                         if(sentences[i].charAt(j)==' ') count++;
    8
    9
                    if (count>countmax) countmax=count;
  10
  11
                return countmax;
  12
  13 }
Saved
                                                                                                     Ln 24, Col 1
```

2.2 2235. Add Two Integers

2.3 1281. Subtract the Product and Sum of Digits of an Integer

```
</>Code
Java ✓ 🔒 Auto
                                                                                       E □ {} □ =
   1 class Solution {
          public int subtractProductAndSum(int n) {
   2
              int product=1;
   4
              int sum=0;
   5
              int digit;
   6
              int numofdigits = String.valueOf(n).length();
   7
              for(int i = numofdigits-1; i>=0 ; i--){
   8
                   digit= n/((int)Math.pow(10, i));
   9
                   product *= digit;
  10
                   sum+= digit;
  11
                   n-= digit*Math.pow(10, i);
  12
  13
              return product-sum;
  14
  15 }
                                                                                             Ln 16, Col 1
```

2.4 2413. Smallest Even Multiple

```
</>Code
Java ∨ 🔒 Auto
                                                                                            ™ C {} □ ≡
    1 class Solution {
           public int smallestEvenMultiple(int n) {
    2
    3
               int worstcase = 2*n;
    4
               for (int i=2; i<= worstcase; i++){</pre>
    5
                    if(i%2==0 && i%n==0){
    6
                        return i;
    7
                    }
    8
                    i++;
    9
   10
               return worstcase;
   11
   12 }
Saved
                                                                                                  Ln 14, Col 1
```

2.5 1108. Defanging an IP Address

```
Java ∨ ♠ Auto

1 class Solution {
2  public String defangIPaddr(String address) {
3  return address.replace(".", "[.]");
4  }
5 }
```

2.6 1678. Goal Parser Interpretation

2.7 2469. Convert the Temperature

2.8 2427. Number of Common Factors

```
</>Code
                                                                                         E □ {} □ =
Java ∨ 🔒 Auto
   1 class Solution {
          public int commonFactors(int a, int b) {
              int min = Math.min(a, b);
   4
               int count=0;
               for(int i=1; i<=a; i++){
   6
                   if(a%i==0 && b%i==0) count++;
   7
   8
               return count;
   9
  10 }
Saved
                                                                                               Ln 11, Col 1
```

2.9 1342. Number of Steps to Reduce a Number to Zero

```
</>Code
Java ∨ 🔒 Auto
                                                                                       E □ {} □ ≡
   1 class Solution {
          public int numberOfSteps(int num) {
              int steps = 0;
   3
   4
              while(num>0){
   5
              if(num%2 ==0) {
                   num/=2;
                   steps++;
   8
              }
              else{
   9
  10
                   num--;
  11
                   steps++;
  12
  13
  14
              return steps;
  15
  16 }
```

2.10 292. Nim Game

2.11 1920. Build Array from Permutation

```
</>Code
                                                                                        = □ () □ =
Java ∨ 🔒 Auto
   1 class Solution {
          public int[] buildArray(int[] nums) {
   3
               int ans[]= Arrays.copyOf(nums,nums.length);
   4
               for (int i=0; i<nums.length; i++){</pre>
                   ans[i] = nums[nums[i]];
   5
   6
   7
               return ans;
   8
   9 }
Saved
```

2.12 1470. Shuffle the Array

```
</>Code
Java ∨ 🔒 Auto
                                                                                         1 日 ( ) 日 重
   1 class Solution {
          public int[] shuffle(int[] nums, int n) {
   2
               int[] ans = new int[2 * n];
   3
               for(int i=0; i<n; i++){</pre>
   4
   5
                   ans[2*i] = nums[i];
   6
                   ans[2 * i + 1] = nums[i + n];
   7
   8
               return ans;
   9
  10 }
```

2.13 1365. How Many Numbers Are Smaller Than the Current Number

```
</>Code
Java ∨ 🔒 Auto
                                                                                         = □ {} り □
   1 class Solution {
          public int[] smallerNumbersThanCurrent(int[] nums) {
   3
               int ans[] =new int[nums.length];
   4
               for(int i=0; i<nums.length; i++){</pre>
   5
                   int count=0;
                   for(int j=0; j<nums.length; j++){</pre>
   6
   7
                       if(nums[i]>nums[j]) count++;
   8
   9
                   ans[i]=count;
  10
  11
              return ans;
  12
  13 }
```

2.14 1688. Count of Matches in Tournament

```
</>Code
Java ∨ 🔒 Auto
                                                                                          E □ {} □ ±
   1 class Solution {
           public int numberOfMatches(int n) {
   2
   3
               int count = 0;
   4
               while (n>1) {
   5
                   int past = n / 2;
   6
                   count += past;
   7
                   n = past+ (n\%2);
   8
   9
               return count;
  10
  11 }
                                                                                                Ln 12, Col 1
```

2.15 509. Fibonacci Number

```
</>Code
Java ∨ 🔒 Auto
                                                                                       E □ {} □ ±
   1 class Solution {
          public int fib(int n) {
   3
              int f0=0; int f1=1; int fn=0;
   4
   5
              if (n==1) return f1;
   6
              while(i<n-1){
                   fn=f1+f0;
   7
   8
                   f0=f1;
                   f1=fn;
   9
  10
                   i++;
  11
  12
              return fn;
  13
  14 }
```

2.16 1431. Kids With the Greatest Number of Candies

```
</>Code
Java ∨ 🔒 Auto
                                                                                          E □ {} □ ±
   1 class Solution {
          public List<Boolean> kidsWithCandies(int[] candies, int extraCandies) {
               List<Boolean> result = new ArrayList<>(Collections.nCopies(candies.length,
      true));
   4
               int max=0;
   5
               for(int i=0; i<candies.length; i++){</pre>
   6
                   if (max<candies[i]) max=candies[i];</pre>
   7
   8
               for(int i=0; i<candies.length; i++){</pre>
   9
                   if (candies[i]+extraCandies<max){</pre>
  10
                        result.set(i,false);
  11
  12
  13
               return result;
  14
  15 }
Saving...
```

2.17 1748. Sum of Unique Elements

```
</>Code
Java ∨ 🔒 Auto
                                                                                        E □ () □ =
   1 class Solution {
   2
          public int sumOfUnique(int[] nums) {
   3
              HashMap<Integer,Integer> freq = new HashMap<>();
   4
              for(int n:nums){
   5
                   freq.put(n,freq.getOrDefault(n,0)+1);
   6
              }
   7
              int sum=0;
   8
              for(int i: freq.keySet()){
   9
                  if (freq.get(i) == 1) {
              sum += i;}
  10
  11
  12
              return sum;
  13
  14 }
Saved
                                                                                              Ln 15, Col 1
```

2.18 232. Implement Queue using Stacks

```
</>Code
Java ∨ 🗎 Auto
   1 class MyQueue {
   2
          Stack<Integer> stackIn;
   3
          Stack<Integer> stackOut;
   4
   5
          public MyQueue() {
   6
              stackIn = new Stack<>();
   7
              stackOut = new Stack<>();
   8
   9
          public void push(int x) {
  10
              stackIn.push(x);
  11
  12
  13
          public int pop() {
  14
  15
              if (stackOut.isEmpty()) {
  16
                   while (!stackIn.isEmpty()) {
                       stackOut.push(stackIn.pop());
  17
  18
  19
  20
              return stackOut.pop();
  21
  22
```

```
public int peek() {
23
24
           if (stackOut.isEmpty()) {
25
               while (!stackIn.isEmpty()) {
26
                    stackOut.push(stackIn.pop());
27
28
29
           return stackOut.peek();
30
31
       public boolean empty() {
32
33
           return stackIn.isEmpty() && stackOut.isEmpty();
34
35 }
36
```