

Run

```
1- public class RansomNote {
2-     public static void main(String[] args) {
3-         String ransomNote = "aa";
4-         String magazine = "aab";
5-         System.out.println("Ransom note: " + ransomNote);
6-         System.out.println("Magazine: " + magazine);
7-         System.out.println("Can be constructed: " + canConstruct(ransomNote, magazine));
8-     }
9-
10-     public static boolean canConstruct(String ransomNote, String magazine) {
11-         int[] magazineCount = new int[26];
12-         for (char c : magazine.toCharArray()) {
13-             magazineCount[c - 'a']++;
14-         }
15-         for (char c : ransomNote.toCharArray()) {
16-             magazineCount[c - 'a']--;
17-             if (magazineCount[c - 'a'] < 0) {
18-                 return false;
19-             }
20-         }
21-         return true;
22-     }
23- }
```

```
java -cp /tmp/A0e0o3RUur/RansomNote
```

```
Ransom note: aa
```

```
Magazine: aab
```

```
Can be constructed: true
```

```
=== Code Execution Successful ===
```

Main.java



Share

Run

Output

Clear

```
1 public class RomanToInt {
2     public static void main(String[] args) {
3         String roman = "MCMXCIV";
4         System.out.println("Roman numeral: " + roman);
5         System.out.println("Integer value: " + romanToInt(roman));
6     }
7
8     public static int romanToInt(String s) {
9         int result = 0;
10        for (int i = 0; i < s.length(); i++) {
11            int current = getValue(s.charAt(i));
12            if (i < s.length() - 1 && current < getValue(s.charAt(i + 1))) {
13                result -= current;
14            } else {
15                result += current;
16            }
17        }
18        return result;
19    }
20
21    public static int getValue(char c) {
22        switch (c) {
23            case 'I':
24                return 1;
25            case 'V':
26                return 5;
27            case 'X':
```

```
java -cp /tmp/3j5Hpxa96E/RomanToInt
Roman numeral: MCMXCIV
Integer value: 1994

=== Code Execution Successful ===
```

Main.java



Share

Run

Output

Clear

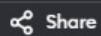
```
1 public class LastWordLength {  
2     public static void main(String[] args) {  
3         String s = "Hello World Here I Am";  
4         System.out.println("Last word length: " + getLastWordLength(s));  
5     }  
6  
7     public static int getLastWordLength(String s) {  
8         String[] words = s.split(" ");  
9         return words[words.length - 1].length();  
10    }  
11 }
```

```
java -cp /tmp/1ZUKLMS36D/LastWordLength
```

```
Last word length: 2
```

```
=== Code Execution Successful ===
```

Main.java



Run

Output

Clear

```
1- public class CommonElements {
2-     public static void main(String[] args) {
3-         int[] arr1 = {1, 2, 3, 4, 5};
4-         int[] arr2 = {4, 5, 6, 7, 8};
5-
6-         System.out.println("Common elements:");
7-         for (int i = 0; i < arr1.length; i++) {
8-             for (int j = 0; j < arr2.length; j++) {
9-                 if (arr1[i] == arr2[j]) {
10-                     System.out.println(arr1[i]);
11-                     break;
12-                 }
13-             }
14-         }
15-     }
16- }
17-
```

```
java -cp /tmp/wW0j7cUqGE/CommonElements
```

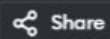
```
Common elements:
```

```
4
```

```
5
```

```
=== Code Execution Successful ===
```

Main.java



Run

Output

```
3
4 public class FizzBuzz {
5     public List<String> fizzBuzz(int n) {
6         List<String> answer = new ArrayList<>();
7         for (int i = 1; i <= n; i++) {
8             if (i % 3 == 0 && i % 5 == 0) {
9                 answer.add("FizzBuzz");
10            } else if (i % 3 == 0) {
11                answer.add("Fizz");
12            } else if (i % 5 == 0) {
13                answer.add("Buzz");
14            } else {
15                answer.add(String.valueOf(i));
16            }
17        }
18        return answer;
19    }
20
21    public static void main(String[] args) {
22        FizzBuzz fizzBuzz = new FizzBuzz();
23        List<String> answer = fizzBuzz.fizzBuzz(15);
24        for (int i = 0; i < answer.size(); i++) {
25            System.out.println("answer[" + (i + 1) + "] = " + answer.get(i));
26        }
27    }
28 }
```

```
java -cp /tmp/U6dDtBbZow/FizzBuzz
```

```
answer[1] = 1
answer[2] = 2
answer[3] = Fizz
answer[4] = 4
answer[5] = Buzz
answer[6] = Fizz
answer[7] = 7
answer[8] = 8
answer[9] = Fizz
answer[10] = Buzz
answer[11] = 11
answer[12] = Fizz
answer[13] = 13
answer[14] = 14
answer[15] = FizzBuzz
```

```
=== Code Execution Successful ===
```