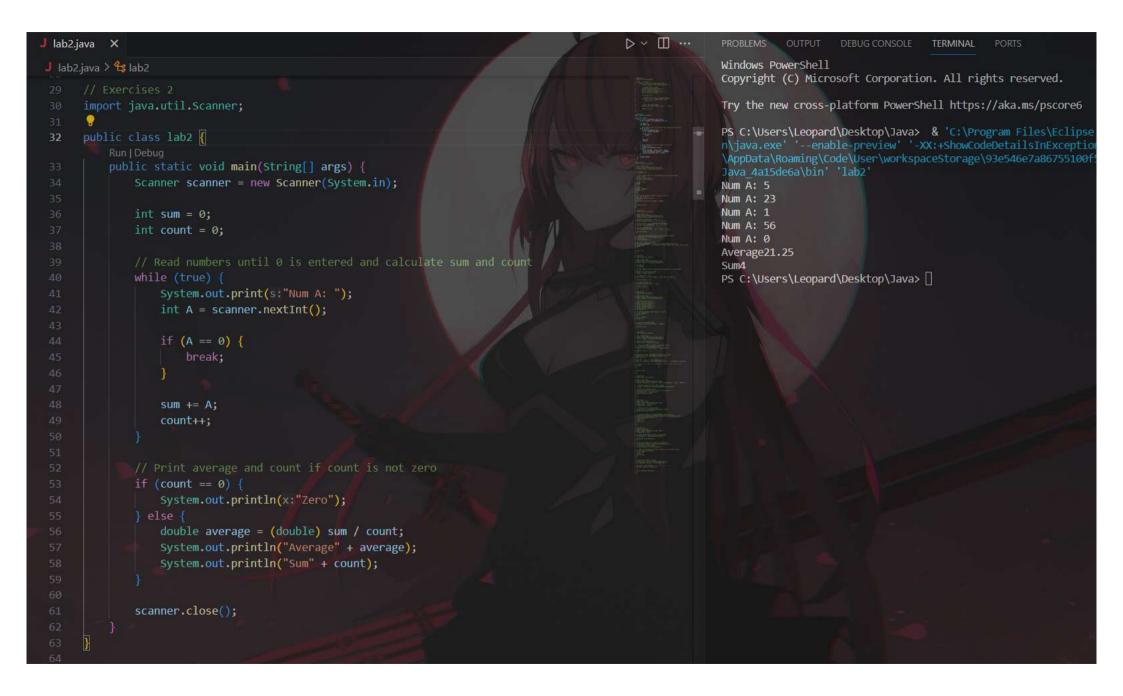
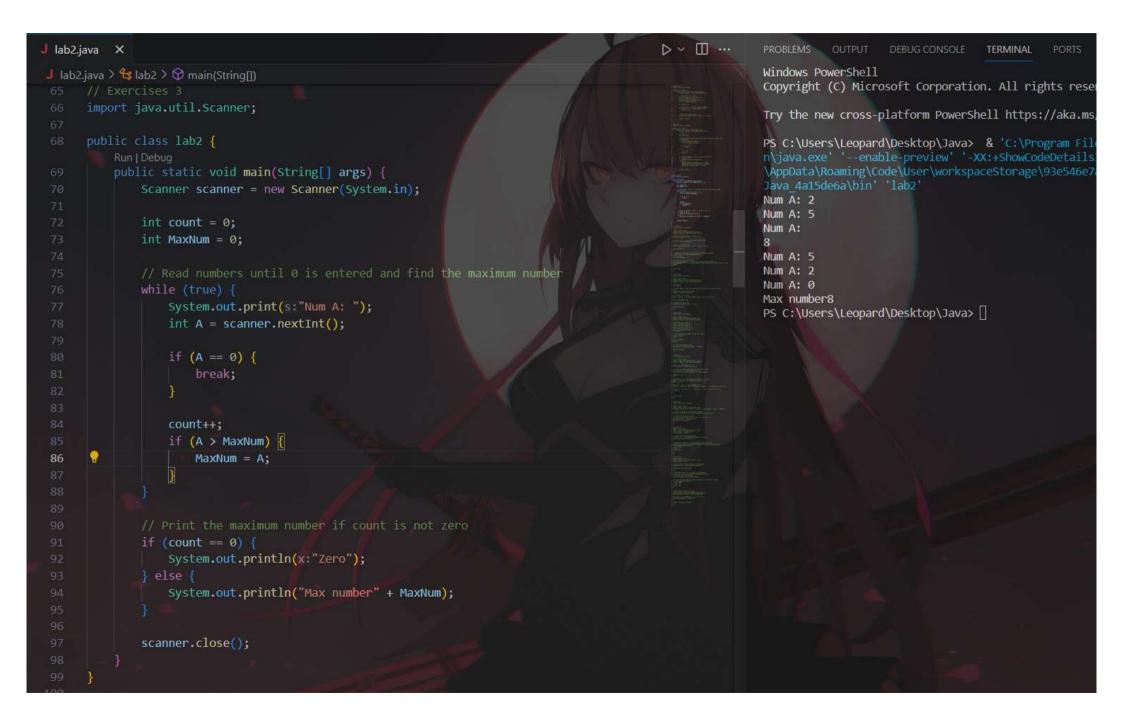
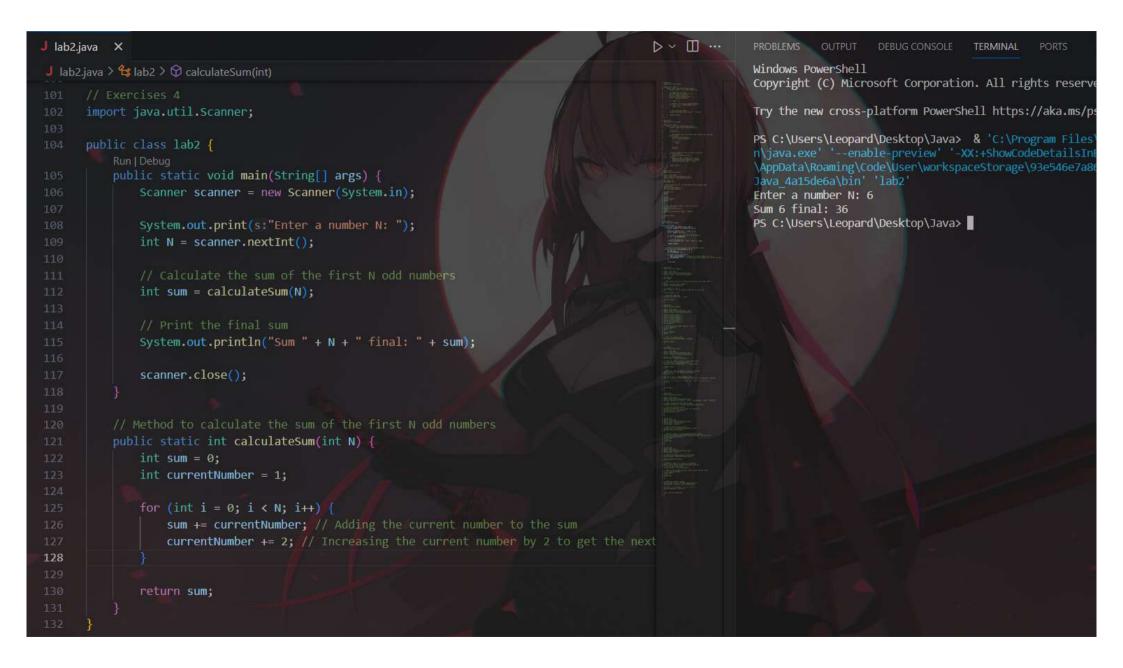
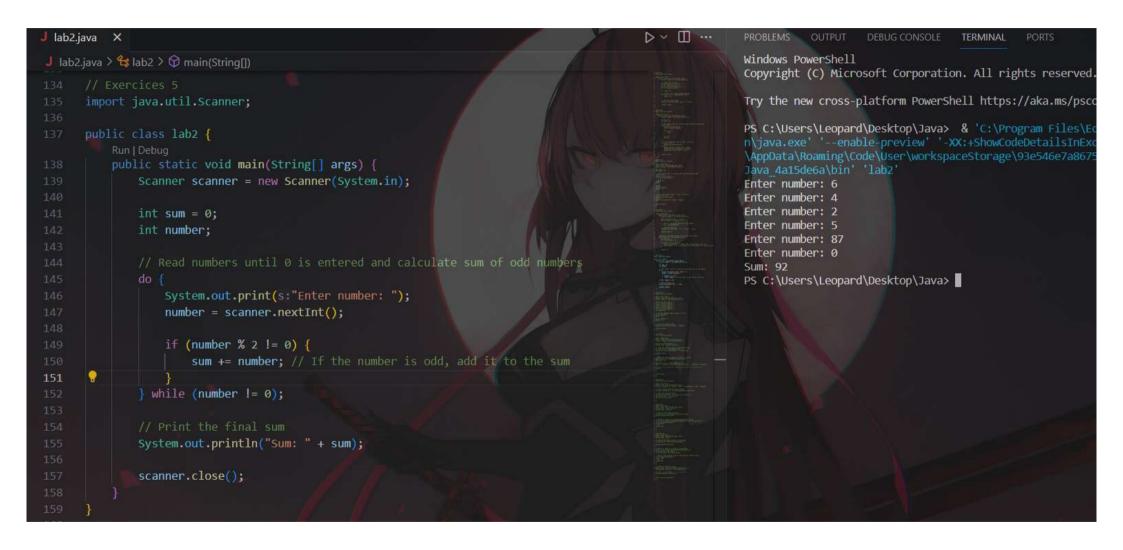
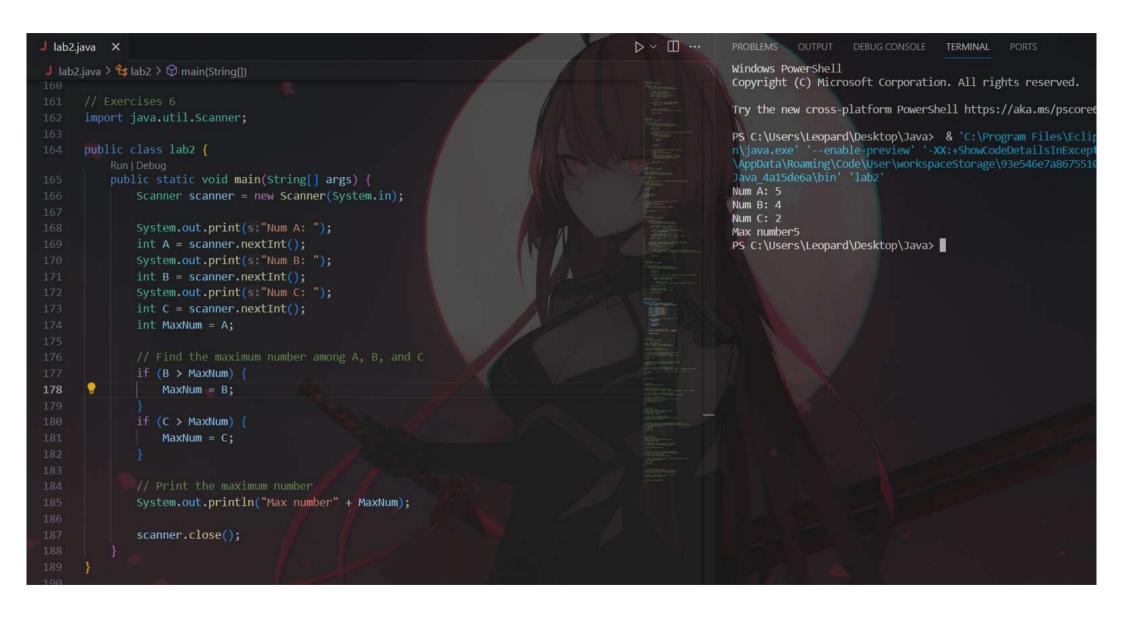
```
lab2.java > 😘 lab2 > 😭 main(String[])
      import java.util.Scanner;
          public static void main(String[] args) {
              Scanner scanner = new Scanner(System.in);
              System.out.print(s:"first num A: ");
              int A = scanner.nextInt();
              System.out.print(s:"second num B: ");
              int B = scanner.nextInt();
              int result = 0;
              for (int i = 0; i < Math.abs(B); i++) {
                  result += A;
              System.out.println("Final result: " + result);
25
              scanner.close();
ROBLEMS
                  DEBUG CONSOLE
                                 TERMINAL
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\Leopard\Desktop\Java> & 'C:\Program Files\Eclipse Adopti
g\Code\User\workspaceStorage\93e546e7a86755100f58a741463f7d32\redhat.
first num A: 5
second num B: 3
Final result: 15
PS C:\Users\Leopard\Desktop\Java>
```

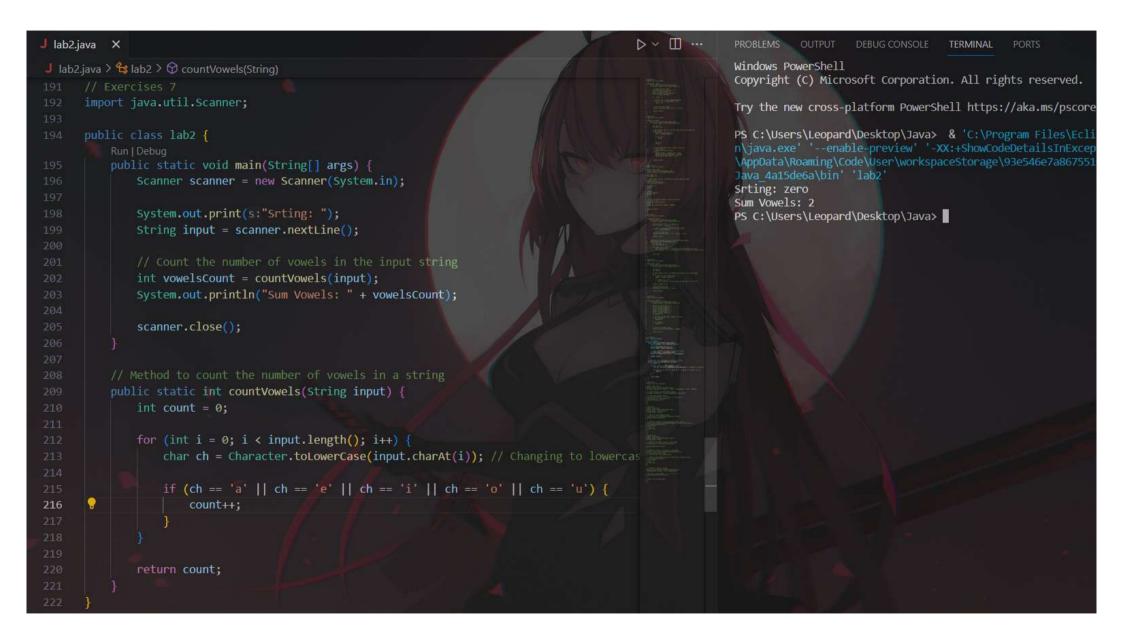












```
J lab2.java X
J lab2.java >  ⟨ lab2 >  ⟨ main(String[])
           // Method to count the number of vowels in a string
           public static int countVowels(String str) {
               int count = 0;
               str = str.toLowerCase(); // Convert the string to lowercase to account for all vowels
               // Iterate through each character in the string
               for (int i = 0; i < str.length(); i++) {
                   char ch = str.charAt(i);
                   // Increment the count if the character is a vowel
                   if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u') {
270
                       count++;
               return count;
```

```
J lab2.java X
                                                                                                                  D ~ [] ...
                                                                                                                                                    TERMINAL ...
J lab2.java > 😘 lab2 > 🛇 main(String[])
                                                                                                                                 Windows PowerShell
                                                                                                                                 Copyright (C) Microsoft Corporation. All
      import java.util.ArrayList;
                                                                                                                                 Try the new cross-platform PowerShell ht
                                                                                                                                 PS C:\Users\Leopard\Desktop\Java> & '(
                                                                                                                                 ExceptionMessages' '-cp' 'C:\Users\Leop
          public static void main(String[] args) {
                                                                                                                                 aceStorage\93e546e7a86755100f58a741463f
              String[] inputArray = [ "Hello", "world", "programming", "Java", "OpenAI", "zeeeero" ];
       ?
                                                                                                                                 a\bin' 'lab2'
                                                                                                                                 Strings with more than 4 vowels:
              // Call the method to filter strings with more than 4 vowels
                                                                                                                                 zeeeero
              String[] resultArray = filterStringsWithMoreThanFourVowels(inputArray);
                                                                                                                                 PS C:\Users\Leopard\Desktop\Java>
              System.out.println(x:"Strings with more than 4 vowels:");
              for (String str : resultArray) {
                   System.out.println(str);
          public static String[] filterStringsWithMoreThanFourVowels(String[] inputArray) {
              ArrayList<String> resultList = new ArrayList<>();
              for (String str : inputArray)
                  if (countVowels(str) > 4) {
                       resultList.add(str);
              String[] resultArray = new String[resultList.size()];
              resultArray = resultList.toArray(resultArray);
              return resultArray;
          public static int countVowels(String str) {
```



