```java
1    import java.util.*;
2
3    class basic {
         Run | Debug
4        public static void main(String[] args) throws Exception {
5            basic obj = new basic();
6            obj.vowel();
7
8        }
9
10   💡 void vowel() throws Exception {
11           Scanner s = new Scanner(System.in);
12           System.out.println(x:"Enter a String:");
13           String str = s.nextLine();
14           char ch[] = str.toCharArray();
15           boolean vowelpresent = false;
16           try {
17               for (int i = 0; i < ch.length; i++) {
18                   if (ch[i] == 'a' || ch[i] == 'e' || ch[i] == 'i' || ch[i] == 'o' || ch[i] == 'u') {
19                       vowelpresent = true;
20                       break;
21                   }
22               }
23               if (!vowelpresent) {
24                   throw new Exception(message:"String does not contain vowels");
25               } else {
26                   System.out.println(x:"String contains vowels");
27               }
28           }
29
30           catch (Exception e) {
31               System.out.println(x:"String does not contain vowels");
32           }
33
34       }
35
36   }
```

PROBLEMS ● OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

```
PS C:\Users\Kirubakaran\OneDrive\Documents\Java coding> & 'C:\Program Files\Java\jdk-1.8\bin\java.exe' '-cp' 'C:\Users\Kirubakaran\AppData\Roaming\Code\U
Enter a String:
Kiruba
String contains vowels
PS C:\Users\Kirubakaran\OneDrive\Documents\Java coding> ▯
```

```java
1    import java.util.*;
2
3    public class duplicate {
4
5        private static int j;
6
7        @SuppressWarnings("unused")
     Run | Debug
8        public static void main(String[] args) {
9            Scanner s = new Scanner(System.in);
10           int a[] = new int[5];
11           int count = 0;
12           System.out.println(x:"Enter the values of array:");
13           for (int i = 0; i < a.length; i++) {
14               a[i] = s.nextInt();
15           }
16           System.out.println(x:"The values of array are:");
17           for (int i = 0; i < a.length; i++) {
18               System.out.println(" " + a[i]);
19           }
20           try {
21               for (int i = 0; i < a.length; i++) {
22                   for (int j = i + 1; j < a.length; j++) {
23                       if (a[i] == a[j]) {
24                           count++;
25
26                       }
27
28                   }
29               }
30               if (count == 0) {
31                   throw new Exception(message:"Duplicate not found");
32               } else
33
34               {
35
36                   System.out.println("Duplicate found  " + a[j]);
37               }
38
39           } catch (Exception e) {
40               System.out.println(x:"Duplicate not found");
41           }
```

PROBLEMS   ⚪   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
1
1
2
3
4
The values of array are:
1
1
2
3
4
Duplicate found  1
```

```java
  3          public synchronized void increase(String name)
  4          {
  5              count++;
  6              System.out.println(name+ " increased to " + count);
  7              try{
  8                  Thread.sleep(millis:1000);
  9              }
 10              catch(InterruptedException e)
 11              {
 12                  System.out.println(name + " interrupted ");
 13              }
 14          }
 15      }
```

Codeium: Refactor | Explain

```java
 16      public class thread1 {
```
Run | Debug | tabnine: test | explain | document | ask | Codeium: Refactor | Explain | Generate Javadoc | X
```java
 17          public static void main(String[] args)
 18          {
 19              multiplethread obj=new multiplethread();
 20              Runnable test1=() ->
 21              {
 22                  for(int i=0;i<5;i++){
 23                      obj.increase(name:"thread 1");
 24                  }
 25              };
 26              Runnable test2=() ->
 27              {
 28                  for(int i=0;i<5;i++){
 29                      obj.increase(name:"thread 2");
 30                  }
 31              };
 32              Thread t1=new Thread(test1);
 33              Thread t2=new Thread(test2);
 34              t1.start();
 35              t2.start();
 36          }
 37      }
 38
```

PROBLEMS ❶   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS   COMMENTS

```
PS C:\Users\ckiru\Desktop\program> javac thread1.java
PS C:\Users\ckiru\Desktop\program> java thread1
thread 1 increased to 1
thread 1 increased to 2
thread 1 increased to 3
thread 1 increased to 4
thread 2 increased to 5
thread 2 increased to 6
thread 2 increased to 7
thread 2 increased to 8
thread 2 increased to 9
thread 1 increased to 10
PS C:\Users\ckiru\Desktop\program>
```