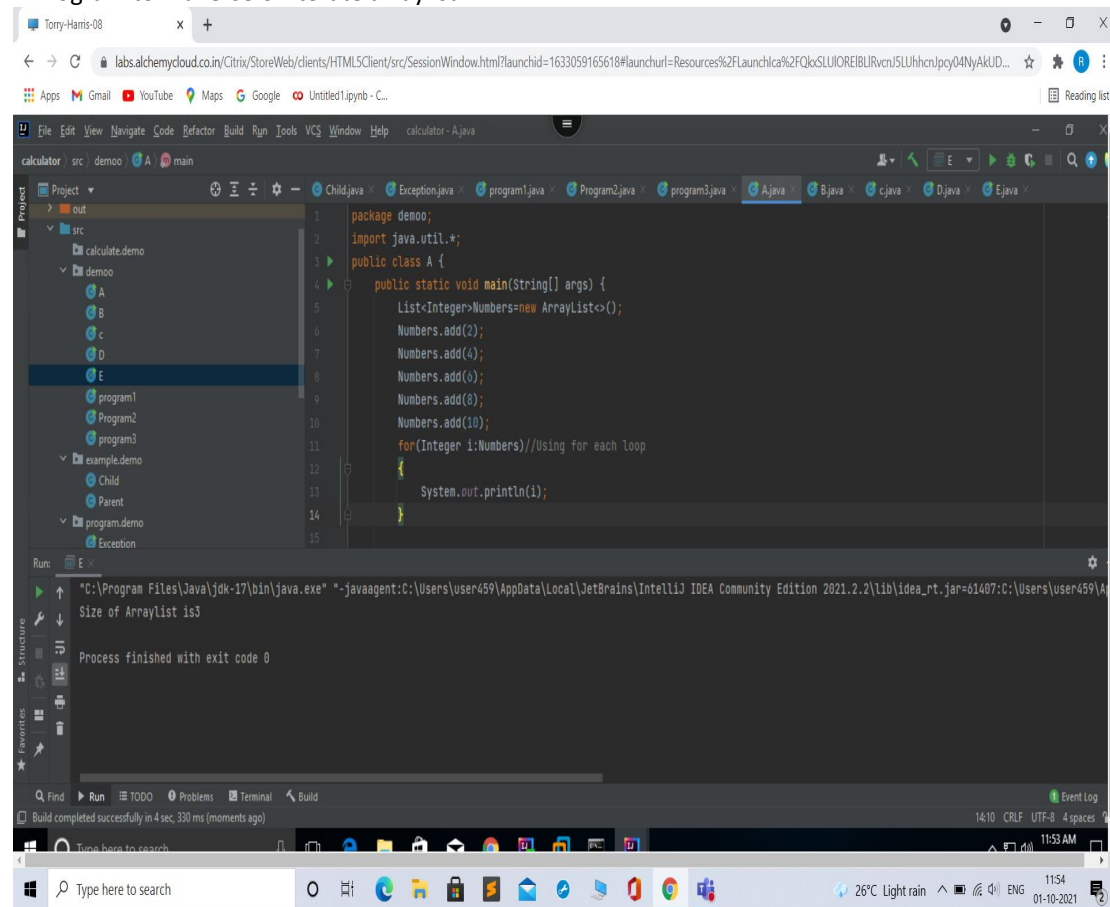
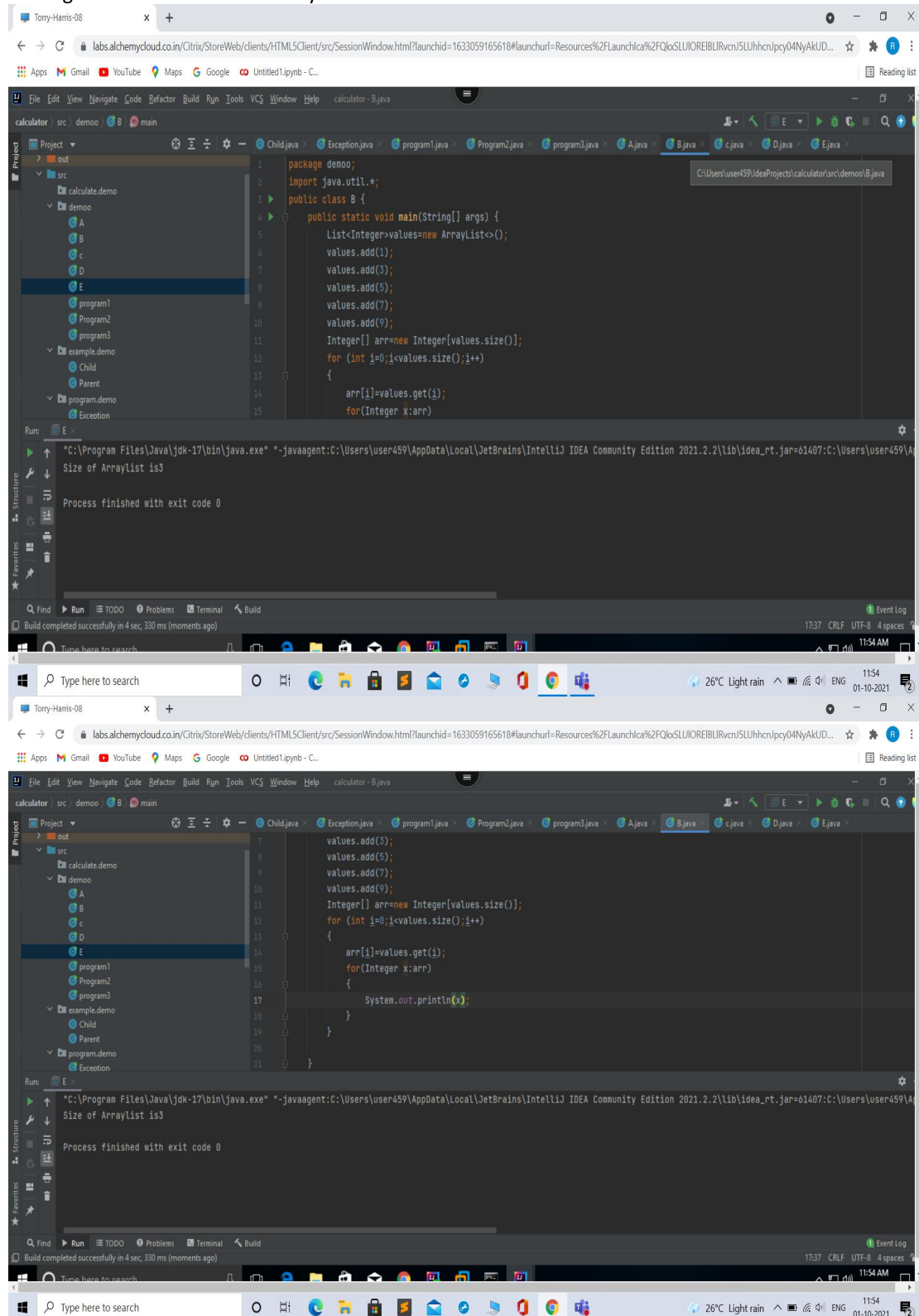


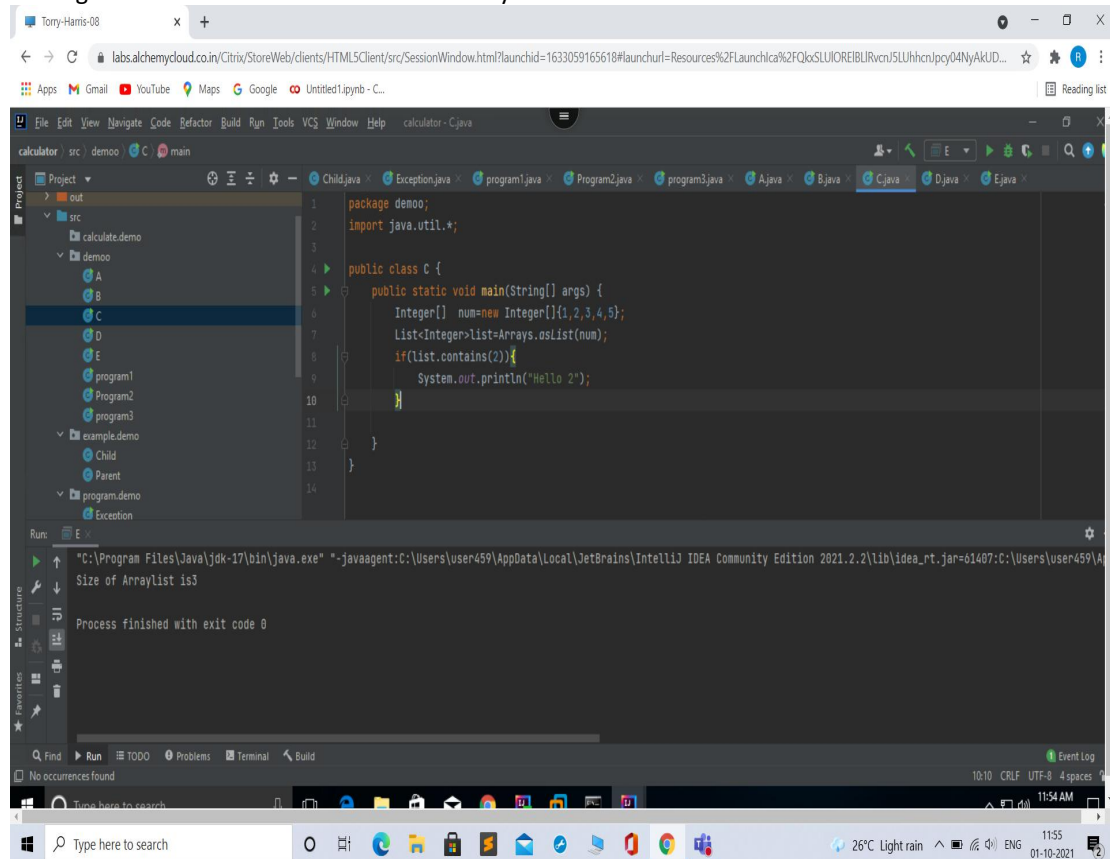
## 1. Program to Traverse or Iterate arraylist



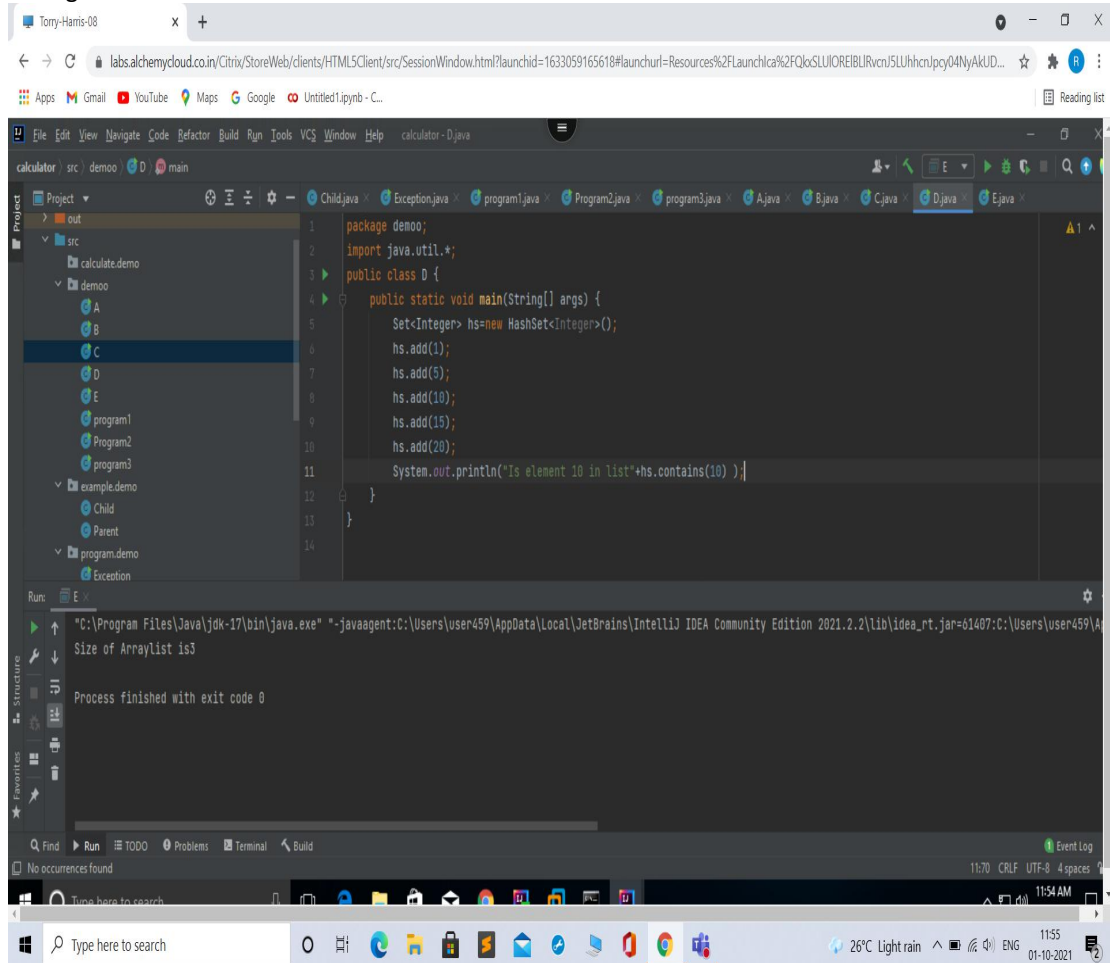
## 2. Program to convert List to array



### 3. Program to check if elements exists in arraylist



#### 4. Program to check if elements exists in hashset



The screenshot shows an IDE window with a Java project named 'calculator'. The project structure on the left includes a 'src' directory with a 'demo' package containing classes A, B, C, D, E, program1, program2, program3, example.demo, Child, Parent, and program.demo. The 'D.java' file is open in the editor, showing the following code:

```
1 package demo;  
2 import java.util.*;  
3 public class D {  
4     public static void main(String[] args) {  
5         Set<Integer> hs=new HashSet<Integer>();  
6         hs.add(1);  
7         hs.add(5);  
8         hs.add(10);  
9         hs.add(15);  
10        hs.add(20);  
11        System.out.println("Is element 10 in list"+hs.contains(10) );  
12    }  
13 }  
14
```

The Run console at the bottom shows the command: `"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Users\user459\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2021.2.2\lib\idea_rt.jar=61487:C:\Users\user459\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2021.2.2\bin" -jar C:\Users\user459\AppData\Local\JetBrains\IntelliJ IDEA Community Edition 2021.2.2\bin\idea_rt.jar`. The output is: `Size of ArrayList is3` and `Process finished with exit code 0`.

## 5. Program to find length of arraylist

