package Collections.Iterator;  
  
import java.util.ArrayList;  
import java.util.Collection;  
import java.util.Iterator;  
import java.util.Objects;  
  
public class CollectionIteratorNullValue {  
 public static void main(String[] args) {  
 Collection<Integer> list1 = new ArrayList<>();  
 boolean k = list1.add(1);  
 System.*out*.println(k);  
 list1.add(3);  
 list1.add(4);  
 list1.add(5);  
 list1.add(null);  
 list1.remove(3);  
 list1.add(2);  
 System.*out*.println("collection list1" + list1);  
  
//Iterating using Iterator  
 Iterator<Integer> iterate = list1.iterator();  
 {  
 System.*out*.print("Iterated values");  
 while (iterate.hasNext()) {  
 Object value =(Integer) iterate.next();  
 if (Objects.*equals*(value,2)) {  
 iterate.remove();  
 }  
 }  
 }  
 System.*out*.println("List Interface after Iteration " + list1);  
  
 }  
}

C:\Users\Roystan\.jdks\openjdk-21.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\lib\idea\_rt.jar=59185:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\bin" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath C:\Users\Roystan\IdeaProjects\JavaWorkspace\out\production\JavaWorkspace Collections.Iterator.CollectionIteratorNullValue

true

collection list1[1, 4, 5, null, 2]

Iterated valuesList Interface after Iteration [1, 4, 5, null]

Process finished with exit code 0

package Collections.Iterator;  
  
import java.util.\*;  
  
public class IteratorTest {  
 public static void main(String[] args) {  
 Collection<Integer> list1 = new ArrayList<>();  
 boolean k = list1.add(1);  
 System.*out*.println(k);  
 list1.add(3);  
 list1.add(4);  
 list1.add(5);  
 list1.add(0);  
 list1.remove(3);  
 list1.add(2);  
 list1.add(8);  
 System.*out*.println("collection list1" + list1);  
  
 //Iterating using Iterator  
 Iterator<Integer> iterate = list1.iterator();  
 {  
 System.*out*.print("Iterated values");  
 while (iterate.hasNext()) {  
 Integer value = iterate.next();  
 if (value == 2) {  
 iterate.remove();  
 iterate.forEachRemaining(x->System.*out*.println(x+7));  
 }  
 }  
 }  
 System.*out*.println("List Interface after Iteration " + list1);  
  
  
 }  
}

C:\Users\Roystan\.jdks\openjdk-21.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\lib\idea\_rt.jar=59196:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\bin" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath C:\Users\Roystan\IdeaProjects\JavaWorkspace\out\production\JavaWorkspace Collections.Iterator.IteratorTest

true

collection list1[1, 4, 5, 0, 2, 8]

Iterated values15

List Interface after Iteration [1, 4, 5, 0, 8]

Process finished with exit code 0