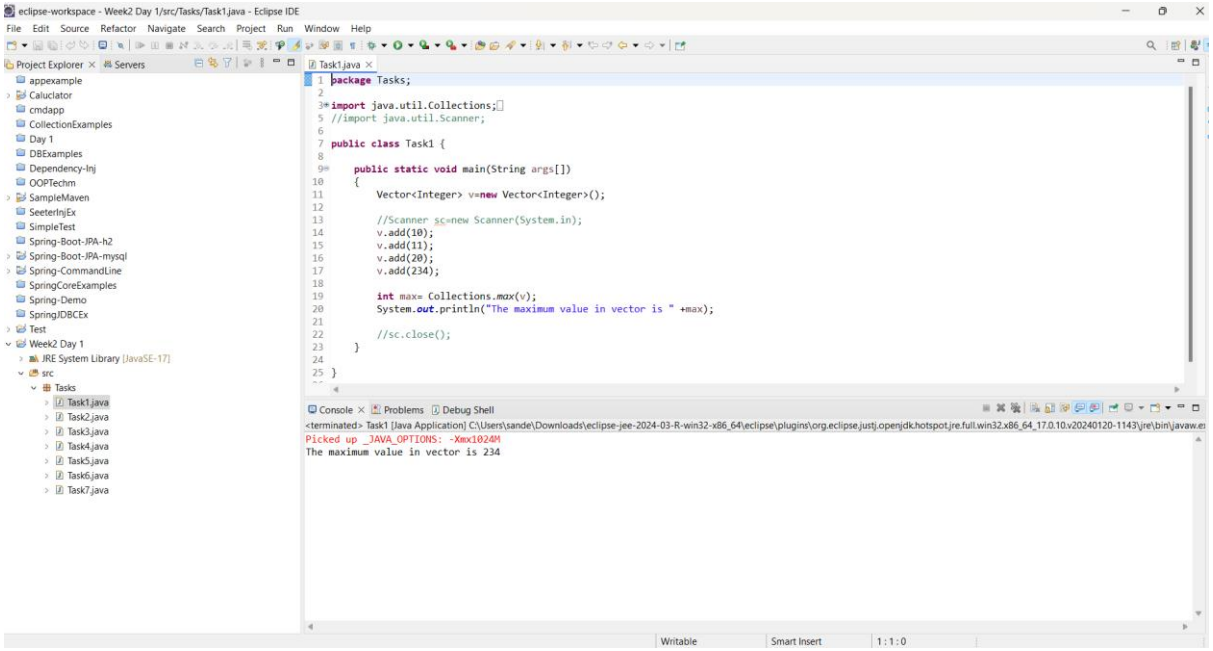
Task 1


eclipse-workspace - Week2 Day 1/src/Tasks/Task1.java - Eclipse IDE
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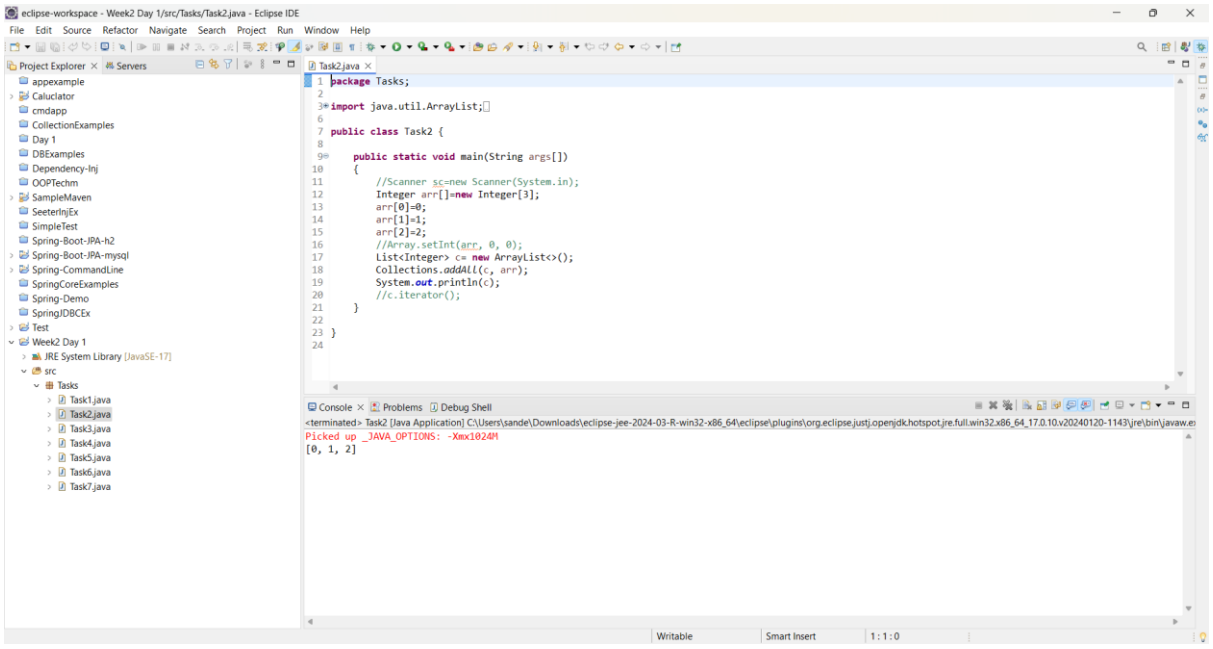
Task1.java
Task2.java
Task3.java
Task4.java
Task5.java
Task6.java
Task7.java
Task1.java
1 package Tasks;
2
3 import java.util.Collections;
5 //import java.util.Scanner;
6
7 public class Task1 {
8
9 public static void main(String args[])
10 {
11 Vector<Integer> v=new Vector<Integer>();
12
13 //Scanner sc=new Scanner(System.in);
14 v.add(10);
15 v.add(11);
16 v.add(20);
17 v.add(234);
18
19 int max= Collections.max(v);
20 System.out.println("The maximum value in vector is " +max);
21
22 //sc.close();
23 }
24
25 }
Console Problems Debug Shell
<terminated> Task1 [Java Application] C:\Users\sande\Downloads\eclipse-jee-2024-03-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.10.v20240120-1143\jre\bin\javaw.e
Picked up _JAVA_OPTIONS: -Xmx1024M
The maximum value in vector is 234
Writable
Smart Insert
1 : 1 : 0

Task 2


eclipse-workspace - Week2 Day 1/src/Tasks/Task2.java - Eclipse IDE
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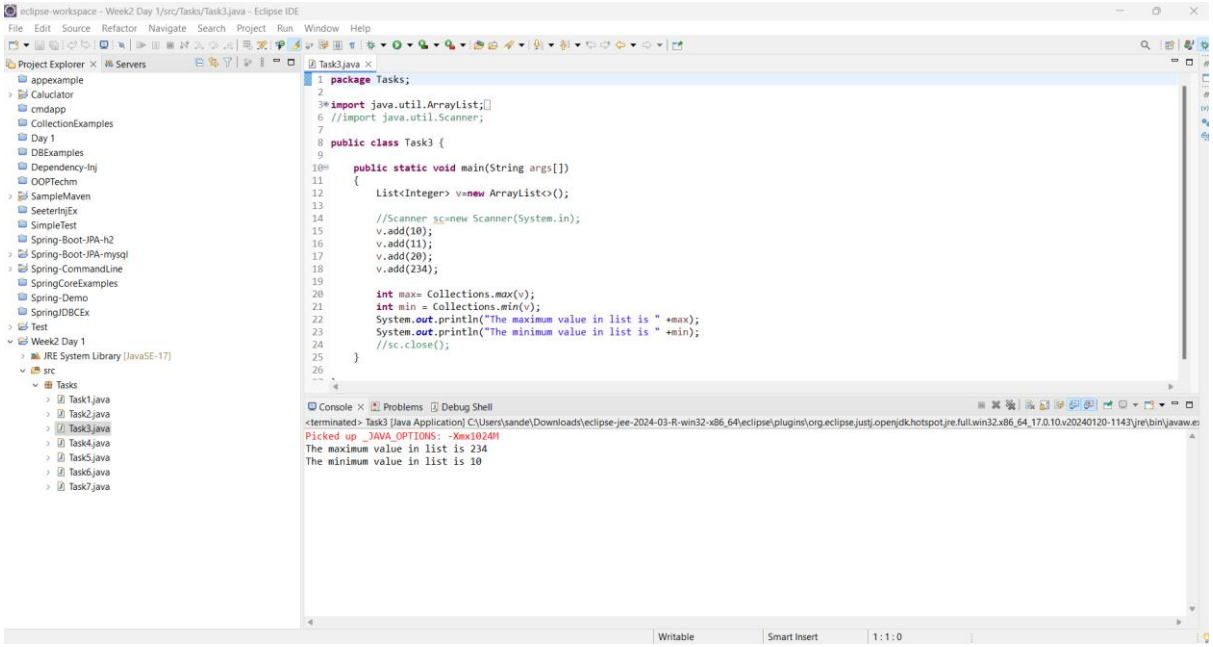
Tasks
Task1.java
Task2.java
Task3.java
Task4.java
Task5.java
Task6.java
Task7.java
Task2.java
1 package Tasks;
2
3 import java.util.ArrayList;
6
7 public class Task2 {
8
9 public static void main(String args[])
10 {
11 //Scanner sc=new Scanner(System.in);
12 Integer arr[]=new Integer[3];
13 arr[0]=0;
14 arr[1]=1;
15 arr[2]=2;
16 //Array.setInt(arr, 0, 0);
17 List<Integer> c= new ArrayList<>();
18 Collections.addAll(c, arr);
19 System.out.println(c);
20 //c.iterator();
21 }
22
23 }
24
Console Problems Debug Shell
<terminated> Task2 [Java Application] C:\Users\sande\Downloads\eclipse-jee-2024-03-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.10.v20240120-1143\jre\bin\javaw.e
Picked up _JAVA_OPTIONS: -Xmx1024M
[0, 1, 2]
Writable
Smart Insert
1 : 1 : 0

Task 3


eclipse-workspace - Week2 Day 1/src/Tasks/Task3.java - Eclipse IDE
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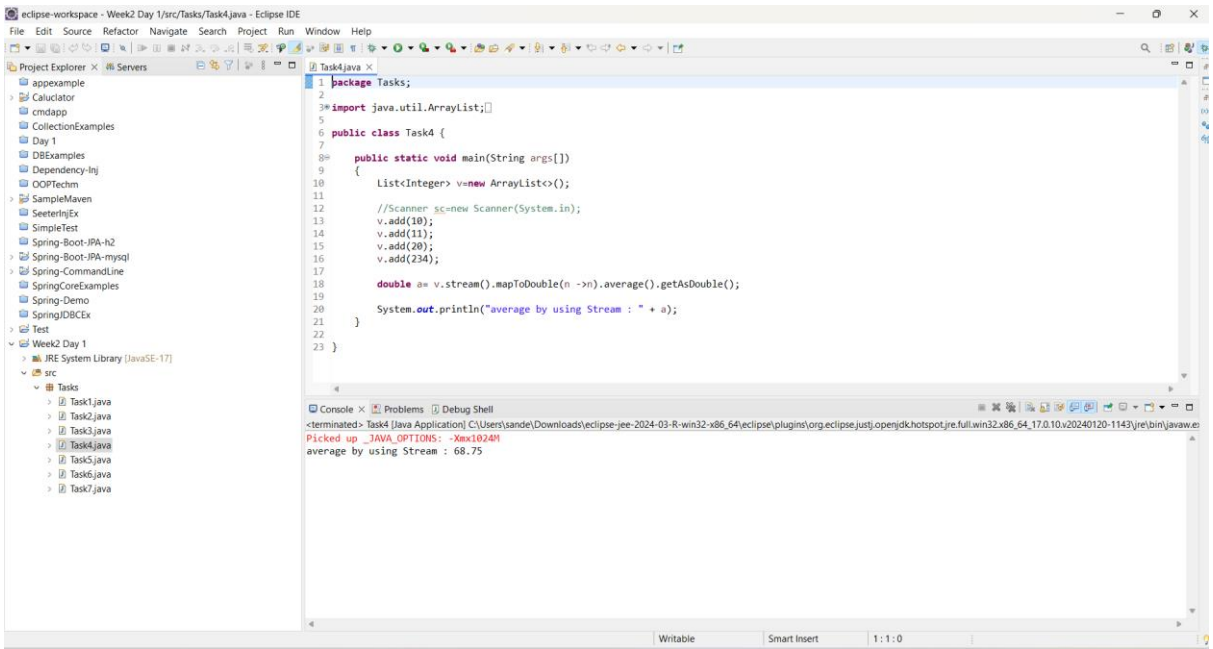
src
Tasks
Task1.java
Task2.java
Task3.java
Task4.java
Task5.java
Task6.java
Task7.java
Task3.java
1 package Tasks;
2
3 import java.util.ArrayList;
6 //import java.util.Scanner;
7
8 public class Task3 {
9
10 public static void main(String args[])
11 {
12 List<Integer> v=new ArrayList<>();
13
14 //Scanner sc=new Scanner(System.in);
15 v.add(10);
16 v.add(11);
17 v.add(20);
18 v.add(234);
19
20 int max= Collections.max(v);
21 int min = Collections.min(v);
22 System.out.println("The maximum value in list is " +max);
23 System.out.println("The minimum value in list is " +min);
24 //sc.close();
25 }
26
Console Problems Debug Shell
<terminated> Task3 [Java Application] C:\Users\sande\Downloads\eclipse-jee-2024-03-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.10.v20240120-1143\jre\bin\javaw.e
Picked up _JAVA_OPTIONS: -Xmx1024M
The maximum value in list is 234
The minimum value in list is 10
Writable
Smart Insert
1 : 1 : 0

Task 4


eclipse-workspace - Week2 Day 1/src/Tasks/Task4.java - Eclipse IDE
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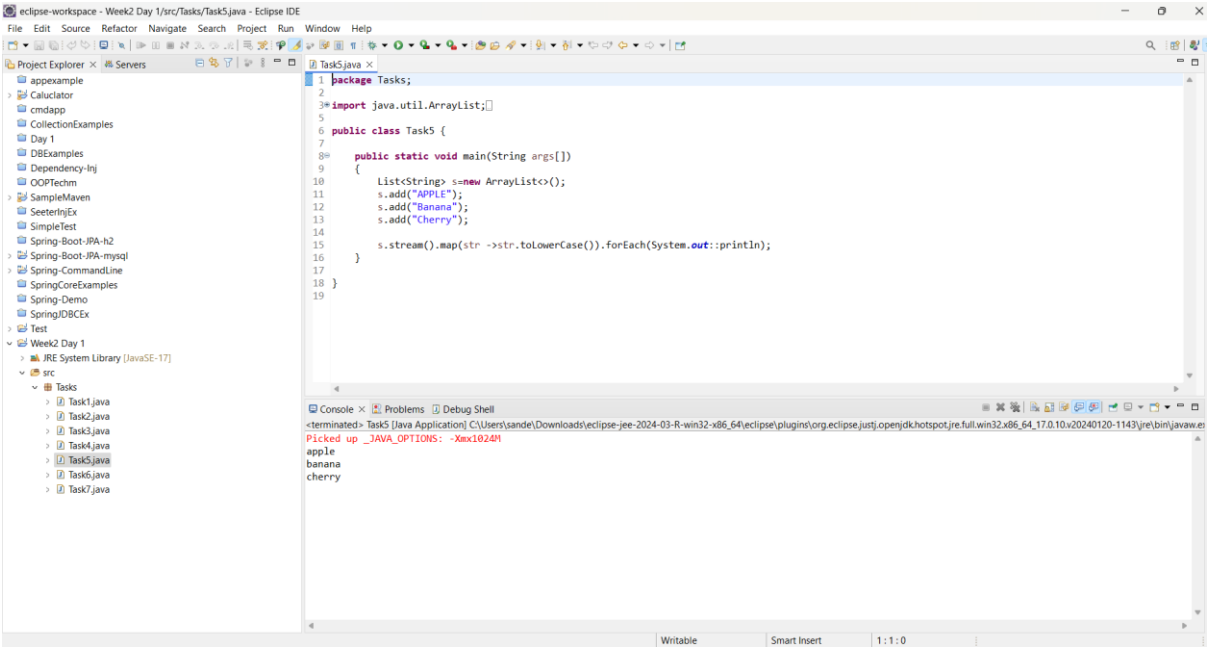
src
Tasks
Task1.java
Task2.java
Task3.java
Task4.java
Task5.java
Task6.java
Task7.java
Task4.java
1 package Tasks;
2
3 import java.util.ArrayList;
5
6 public class Task4 {
7
8 public static void main(String args[])
9 {
10 List<Integer> v=new ArrayList<>();
11
12 //Scanner sc=new Scanner(System.in);
13 v.add(10);
14 v.add(11);
15 v.add(20);
16 v.add(234);
17
18 double a= v.stream().mapToDouble(n ->n).average().getAsDouble();
19
20 System.out.println("average by using Stream : " + a);
21 }
22
23 }
Console Problems Debug Shell
<terminated> Task4 [Java Application] C:\Users\sande\Downloads\eclipse-jee-2024-03-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.10.v20240120-1143\jre\bin\javaw.e
Picked up _JAVA_OPTIONS: -Xmx1024M
average by using Stream : 68.75
Writable
Smart Insert
1 : 1 : 0

Task 5


eclipse-workspace - Week2 Day 1/src/Tasks/Task5.java - Eclipse IDE
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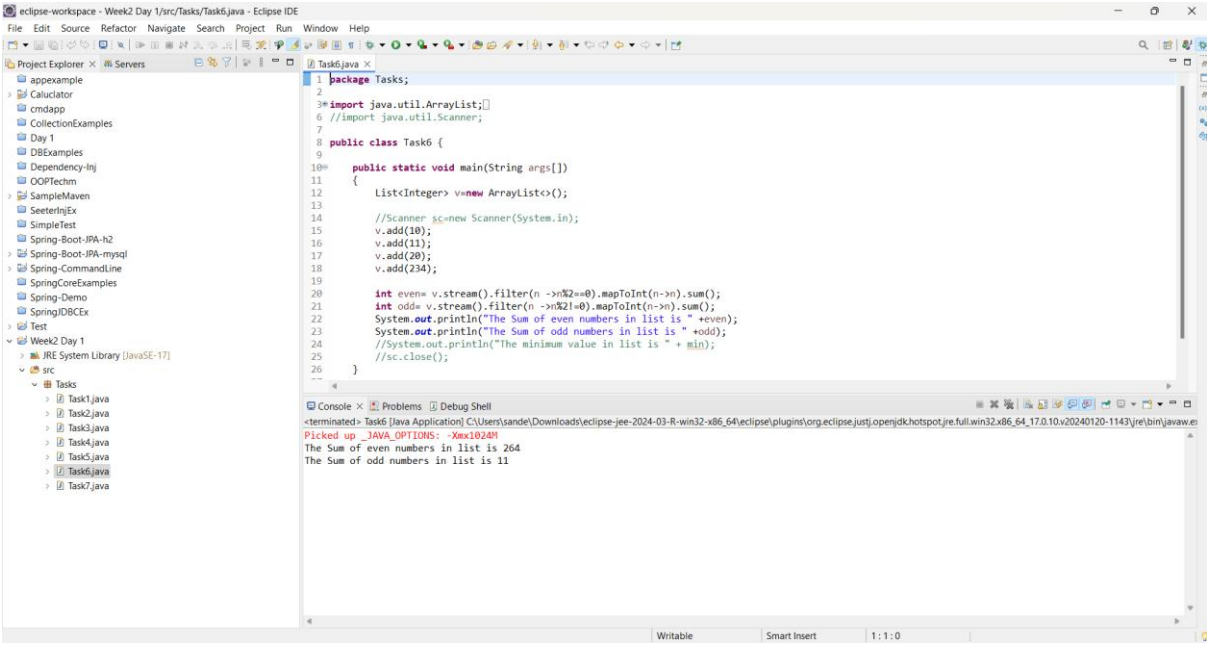
src
Tasks
Task1.java
Task2.java
Task3.java
Task4.java
Task5.java
Task6.java
Task7.java
Task5.java
1 package Tasks;
2
3 import java.util.ArrayList;
4
5
6 public class Task5 {
7
8 public static void main(String args[])
9 {
10 List<String> s=new ArrayList<>();
11 s.add("APPLE");
12 s.add("Banana");
13 s.add("Cherry");
14
15 s.stream().map(str ->str.toLowerCase()).forEach(System.out::println);
16 }
17
18 }
19
Console
Problems
Debug Shell
<terminated> Task5 [Java Application] C:\Users\sande\Downloads\eclipse-jee-2024-03-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.10.v20240120-1143\jre\bin\javaw.e
Picked up _JAVA_OPTIONS: -Xmx1024M
apple
banana
cherry
Writable
Smart Insert
1 : 1 : 0

Task 6


eclipse-workspace - Week2 Day 1/src/Tasks/Task6.java - Eclipse IDE
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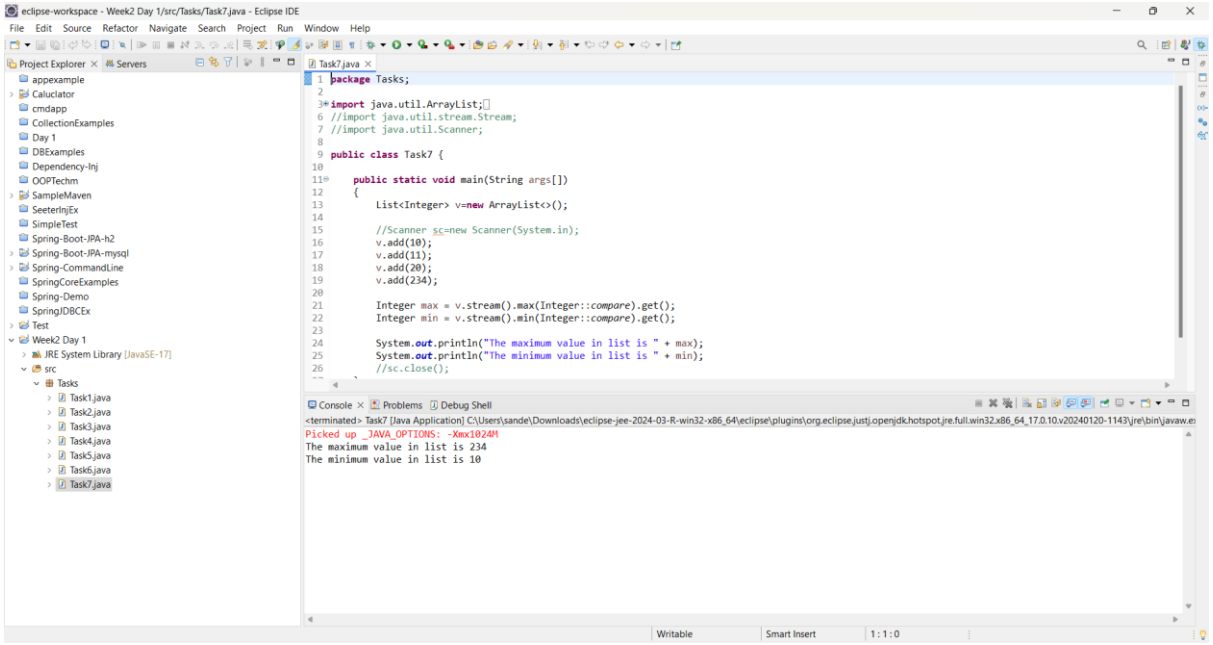
Tasks
Task1.java
Task2.java
Task3.java
Task4.java
Task5.java
Task6.java
Task7.java
Task6.java
1 package Tasks;
2
3 import java.util.ArrayList;
6 //import java.util.Scanner;
7
8 public class Task6 {
9
10 public static void main(String args[])
11 {
12 List<Integer> v=new ArrayList<>();
13
14 //Scanner sc=new Scanner(System.in);
15 v.add(10);
16 v.add(11);
17 v.add(20);
18 v.add(234);
19
20 int even= v.stream().filter(n ->n%2==0).mapToInt(n->n).sum();
21 int odd= v.stream().filter(n ->n%2!=0).mapToInt(n->n).sum();
22 System.out.println("The Sum of even numbers in list is " +even);
23 System.out.println("The Sum of odd numbers in list is " +odd);
24 //System.out.println("The minimum value in list is " + min);
25 //sc.close();
26 }
Console
Problems
Debug Shell
<terminated> Task6 [Java Application] C:\Users\sande\Downloads\eclipse-jee-2024-03-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.10.v20240120-1143\jre\bin\javaw.e
Picked up _JAVA_OPTIONS: -Xmx1024M
The Sum of even numbers in list is 264
The Sum of odd numbers in list is 11
Writable
Smart Insert
1 : 1 : 0

Task 7


eclipse-workspace - Week2 Day 1/src/Tasks/Task7.java - Eclipse IDE
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Tasks
Task1.java
Task2.java
Task3.java
Task4.java
Task5.java
Task6.java
Task7.java
Task7.java
1 package Tasks;
2
3 import java.util.ArrayList;
6 //import java.util.stream.Stream;
7 //import java.util.Scanner;
8
9 public class Task7 {
10
11 public static void main(String args[])
12 {
13 List<Integer> v=new ArrayList<>();
14
15 //Scanner sc=new Scanner(System.in);
16 v.add(10);
17 v.add(11);
18 v.add(20);
19 v.add(234);
20
21 Integer max = v.stream().max(Integer::compare).get();
22 Integer min = v.stream().min(Integer::compare).get();
23
24 System.out.println("The maximum value in list is " + max);
25 System.out.println("The minimum value in list is " + min);
26 //sc.close();
Console
Problems
Debug Shell
<terminated> Task7 [Java Application] C:\Users\sande\Downloads\eclipse-jee-2024-03-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.10.v20240120-1143\jre\bin\javaw.e
Picked up _JAVA_OPTIONS: -Xmx1024M
The maximum value in list is 234
The minimum value in list is 10
Writable
Smart Insert
1 : 1 : 0