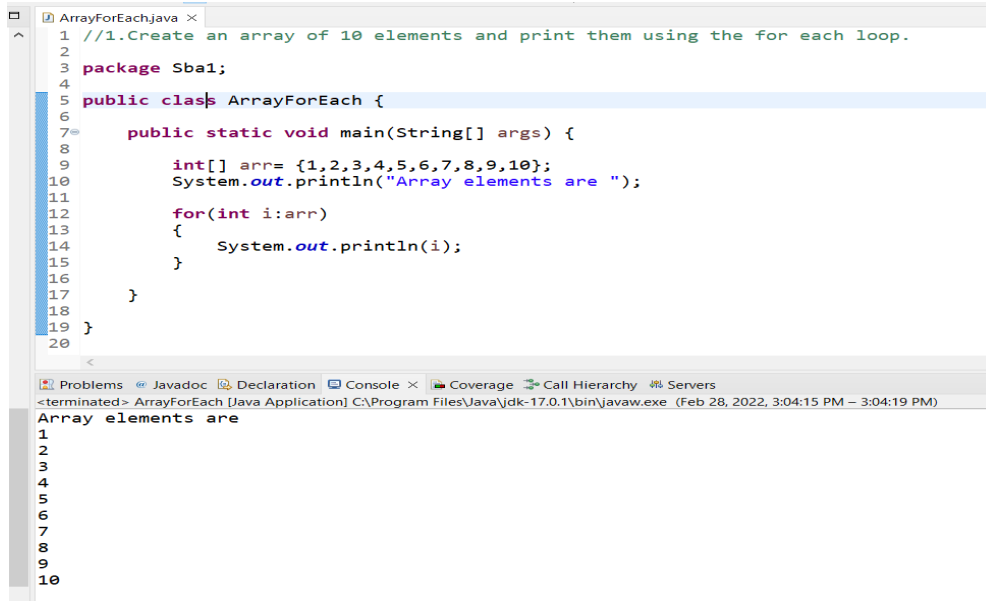1. Create an array of 10 elements and print them using the for each loop.

```
ArrayForEach.java ×
  1  //1.Create an array of 10 elements and print them using the for each loop.
  2
  3  package Sba1;
  4
  5  public class ArrayForEach {
  6
  7⊖     public static void main(String[] args) {
  8
  9         int[] arr= {1,2,3,4,5,6,7,8,9,10};
 10         System.out.println("Array elements are ");
 11
 12         for(int i:arr)
 13         {
 14             System.out.println(i);
 15         }
 16
 17     }
 18
 19 }
 20
```
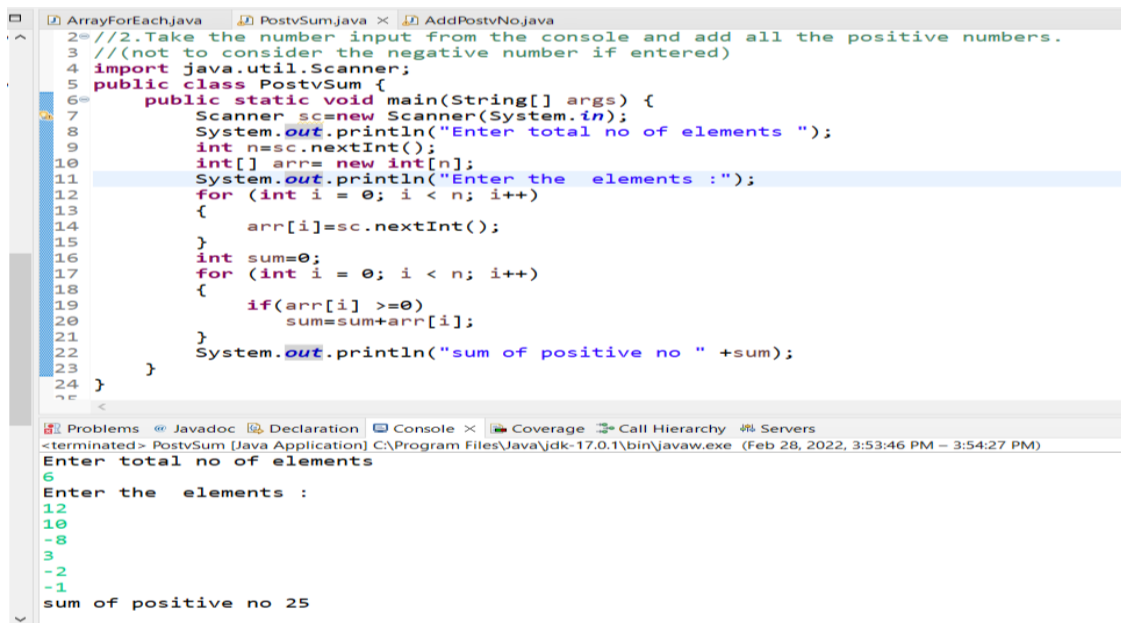```
Problems Javadoc Declaration Console × Coverage Call Hierarchy Servers
<terminated> ArrayForEach [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Feb 28, 2022, 3:04:15 PM – 3:04:19 PM)
Array elements are
1
2
3
4
5
6
7
8
9
10
```

2. Take the number input from the console and add all the positive numbers. (not to consider the negative number if entered)

```
ArrayForEach.java   PostvSum.java × AddPostvNo.java
  2⊖ //2.Take the number input from the console and add all the positive numbers.
  3 //(not to consider the negative number if entered)
  4 import java.util.Scanner;
  5 public class PostvSum {
  6⊖   public static void main(String[] args) {
  7   Scanner sc=new Scanner(System.in);
  8   System.out.println("Enter total no of elements ");
  9   int n=sc.nextInt();
 10   int[] arr= new int[n];
 11   System.out.println("Enter the elements :");
 12   for (int i = 0; i < n; i++)
 13   {
 14   arr[i]=sc.nextInt();
 15   }
 16   int sum=0;
 17   for (int i = 0; i < n; i++)
 18   {
 19   if(arr[i] >=0)
 20   sum=sum+arr[i];
 21   }
 22   System.out.println("sum of positive no " +sum);
 23   }
 24 }
```
```
Problems Javadoc Declaration Console × Coverage Call Hierarchy Servers
<terminated> PostvSum [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Feb 28, 2022, 3:53:46 PM – 3:54:27 PM)
Enter total no of elements
6
Enter the elements :
12
10
-8
3
-2
-1
sum of positive no 25
```

3. Create a labeled break and write a simple logic and execute the program.

```
ArrayForEach.java    PostvSum.java    LabelBreak.java ×    BreakLabeld.java
  2 //3.Create a labeled break and write a simple logic and execute the program.
  3 public class LabelBreak {
  4
  5    public static void main(String[] args) {
  6        aa:
  7            for(int i=1;i<=3;i++)
  8            {
  9                bb:
 10                for(int j=1;j<=3;j++)
 11
 12                {
 13                    if(i==2&&j==2)
 14                    {
 15                        break aa; //break aa outerloop
 16                    }
 17
 18                    System.out.println(i+" "+j);
 19
 20                }
 21
 22            }
 23        }
 24 }
```

Problems @ Javadoc Declaration Console × Coverage Call Hierarchy Servers
<terminated> LabelBreak [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Feb 28, 2022, 4:16:35 PM – 4:16:37 PM)
```
1 1
1 2
1 3
2 1
```

4. Do the addition of around 10 even numbers, but use the continue statement in the logic.

```
ArrayForEach.java    PostvSum.java    LabelBreak.java    AddEvenContinue.java ×
  3 import java.util.Scanner;
  4
  5 //4.Do the addition of around 10 even numbers, but use the continue statement in the logic.
  6 public class AddEvenContinue {
  7
  8    public static void main(String[] args) {
  9        int n, i, sum = 0;
 10        Scanner sc= new Scanner(System.in);
 11        System.out.print(" Please Enter any Number : ");
 12        n = sc.nextInt();
 13        for(i = 2; i <= n; i++)
 14        {
 15            if(i % 2 != 0)
 16                continue;
 17                sum = sum + i;
 18        }
 19        System.out.println("\n The Sum of Even Numbers upto " + n + "  =  " + sum);
 20
 21    }
 22
 23 }
 24
```

Problems @ Javadoc Declaration Console × Coverage Call Hierarchy Servers
<terminated> AddEvenContinue [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Feb 28, 2022, 4:18:48 PM – 4:18:51 PM)
```
Please Enter any Number : 5

The Sum of Even Numbers upto 5  =  6
```