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

Array10.java

```java
import java.io.*;
import java.util.*;
class Array10
{
 public static void main(String[] args)
 {
    int i;
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter the limit of array");
    int n = sc.nextInt();
    int[] arr = new int[n];
    System.out.println("Enter the elements to the array");
    for(i=0;i<n;i++)
    {
     arr[i] = sc.nextInt();
    }
    System.out.println("The elements are :");
    for(i=0;i<n;i++)
    {
     System.out.print(arr[i]+" ");
     }

  }
}
```

OUTPUT

```
C:\Users\210913\Desktop\training\sba1>Javac Array10.java

C:\Users\210913\Desktop\training\sba1>java Array10
Enter the limit of array
5
Enter the elements to the array
23
45
67
34
87
The elements are :
23 45 67 34 87
```

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

Addpos.java

```java
import java.io.*;
import java.util.*;
class Addpos
{
 public static void main(String[] args)
 {
     int i,sum=0;
     Scanner sc = new Scanner(System.in);
     System.out.println("Enter the limit of array");
     int n = sc.nextInt();
     int[] arr = new int[n];
     System.out.println("Enter the elements to the array");
     for(i=0;i<n;i++)
     {
         arr[i] = sc.nextInt();
     }
     for(i=0;i<n;i++)
     {
         if(arr[i]>0)
         {
             sum+=arr[i];
         }
     }
     System.out.println("The sum of the positive elements are :"+sum);
 }
}
```

OUTPUT

```
C:\Users\ustjavafsdb205\Documents\sba1>Javac Addpos.java

C:\Users\ustjavafsdb205\Documents\sba1>java Addpos
Enter the limit of array
5
Enter the elements to the array
4
2
1
-7
-9
The sum of the positive elements are :7
```

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

Labeledbreak.java

```java
class Labeledbreak
{
    public static void main(String[] args)
    {
    int i=10;
    loop1:
    while(i<20)
    {
     if(i==15)
     break loop1;
     System.out.println("i ="+i);
     i++;
    }
    System.out.println("Out of the loop");
    }
}
```

OUTPUT

```
C:\Users\ustjavafsdb205\Documents\sba1>Javac  Labeledbreak.java

C:\Users\ustjavafsdb205\Documents\sba1>Java  Labeledbreak
i =10
i =11
i =12
i =13
i =14
Out of the loop
```

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

Even10.java

```java
import java.io.*;
import java.util.*;
class Even10
{
    public static void main(String[] args)
    {
     int i,sum=0;
     Scanner sc = new Scanner(System.in);
     System.out.println("Enter the limit of array");
     int n =sc.nextInt();
     int[] arr = new int[n];
     System.out.println("Enter the elements to the array");
     for(i=0;i<n;i++)
     {
      arr[i] = sc.nextInt();
      }
      for(i=0;i<n;i++)
      {
       if(arr[i]%2!=0)
       {
        continue;
       }
       sum+=arr[i];
      }
      System.out.println("The sum of the even elements are :"+sum);
    }
}
```

OUTPUT

```
C:\Users\ustjavafsdb205\Documents\sba1>Javac Even10.java

C:\Users\ustjavafsdb205\Documents\sba1>java Even10
Enter the limit of array
5
Enter the elements to the array
23
56
34
72
82
The sum of the even elements are :244
```