SBA1-MARIA TOMY-210913

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

```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)

```java
Addpos.java                    ×
1   import java.io.*;
2   import java.util.*;
3   class Addpos
4   {
5    public static void main(String[] args)
6    {
7        int i,sum=0;
8        Scanner sc = new Scanner(System.in);
9        System.out.println("Enter the limit of array");
10       int n = sc.nextInt();
11       int[] arr = new int[n];
12       System.out.println("Enter the elements to the array");
13       for(i=0;i<n;i++)
14       {
15           arr[i] = sc.nextInt();
16       }
17       for(i=0;i<n;i++)
18       {
19           if(arr[i]>0)
20           {
21               sum+=arr[i];
22           }
23       }
24       System.out.println("The sum of the positive elements are :"+sum);
25    }
26   }
```

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.

```java
Labeledbreak.java        ×
1    class Labeledbreak
2    {
3        public static void main(String[] args)
4        {
5        int i=10;
6        loop1:
7        while(i<20)
8        {
9         if(i==15)
10        break loop1;
11        System.out.println("i ="+i);
12        i++;
13        }
14        System.out.println("Out of the loop");
15        }
16   }
```

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.

```java
Even10.java                    ×
1    import java.io.*;
2    import java.util.*;
3    class Even10
4    {
5        public static void main(String[] args)
6        {
7         int i,sum=0;
8         Scanner sc = new Scanner(System.in);
9         System.out.println("Enter the limit of array");
10        int n =sc.nextInt();
11        int[] arr = new int[n];
12        System.out.println("Enter the elements to the array");
13        for(i=0;i<n;i++)
14        {
15         arr[i] = sc.nextInt();
16        }
17         for(i=0;i<n;i++)
18         {
19          if(arr[i]%2!=0)
20          {
21           continue;
22          }
23          sum+=arr[i];
24         }
25         System.out.println("The sum of the even elements are :"+sum);
26        }
27    }
```

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
```