

SBA-1

ANDE.SWETHA

UID:209821

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

```
public class Program1 {  
    public static void main(String[] args) {  
        int[] numbers = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};  
  
        for(int number: numbers) {  
            System.out.print(number);  
            System.out.print(" ");  
        }  
    }  
}
```

OUTPUT:

```
1 //1.Create an array of 10 elements and print them using for each loop
2 package SBA1;
3
4 public class Program1 {
5     public static void main(String[] args) {
6         int[] numbers = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};
7
8         for(int number: numbers) {
9             System.out.print(number);
10            System.out.print(" ");
11        }
12    }
13 }
14
15 }
16 }
```

Terminal Problems Console X Progress Servers

<terminated> SBA1a [Java Application] C:\Program Files\Java\jre1.8.0_241\bin\javaw.exe (30-Mar-2022, 1

1 2 3 4 5 6 7 8 9 10

2.Take the number input from console and add all the positive numbers.

//(not to consider the negative number if entered)

```
import java.util.Scanner;
```

```
public class Program2 {
```

```
    public static void main(String[] args) {
```

```
        Scanner sc = new Scanner(System.in);
```

```
        int sum = 0;
```

```
        System.out.println("Enter numbers: ");
```

```
        while(true) {
```

```
            int n = sc.nextInt();
```

```
            if(n < 0)
```

```
                break;
```

```
            sum += n;
```

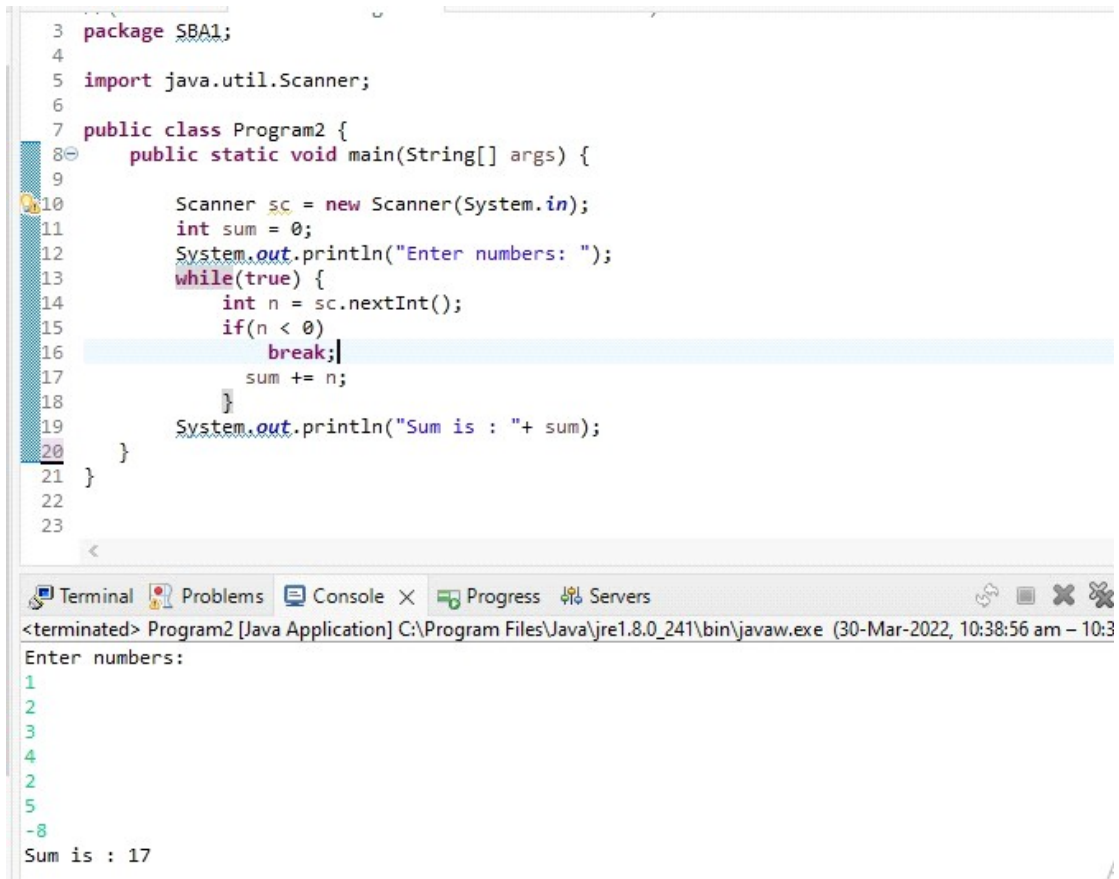
```
}
```

```
System.out.println("Sum is : "+ sum);
```

```
}
```

```
}
```

OUTPUT:



```
3 package SBA1;
4
5 import java.util.Scanner;
6
7 public class Program2 {
8     public static void main(String[] args) {
9
10         Scanner sc = new Scanner(System.in);
11         int sum = 0;
12         System.out.println("Enter numbers: ");
13         while(true) {
14             int n = sc.nextInt();
15             if(n < 0)
16                 break;
17             sum += n;
18         }
19         System.out.println("Sum is : "+ sum);
20     }
21 }
22
23
```

Terminal Problems Console X Progress Servers

<terminated> Program2 [Java Application] C:\Program Files\Java\jre1.8.0_241\bin\javaw.exe (30-Mar-2022, 10:38:56 am - 10:3

Enter numbers:

1
2
3
4
2
5
-8
Sum is : 17

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

```
public class Program3 {

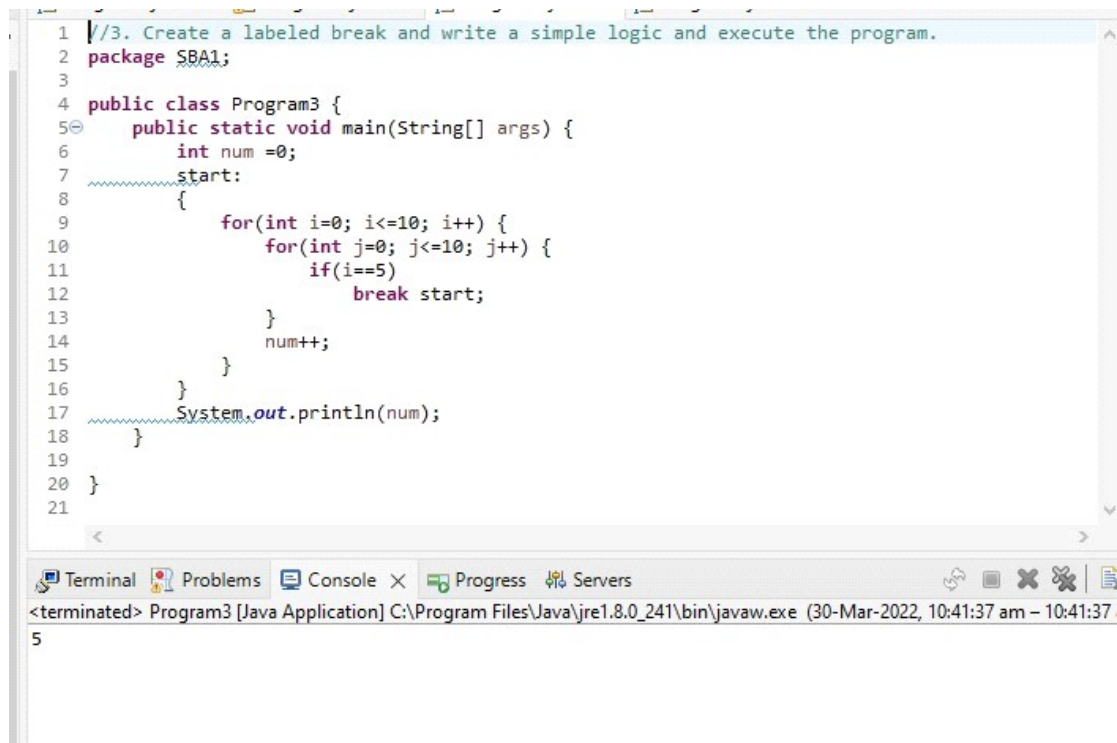
    public static void main(String[] args) {

        int num =0;
```

start:

```
    {  
        for(int i=0; i<=10; i++) {  
            for(int j=0; j<=10; j++) {  
                if(i==5)  
                    break start;  
            }  
            num++;  
        }  
    }  
    System.out.println(num);  
}  
  
}
```

OUTPUT:



The screenshot shows an IDE window with a Java file named Program3.java. The code is as follows:

```
1 //3. Create a labeled break and write a simple logic and execute the program.  
2 package SBA1;  
3  
4 public class Program3 {  
5     public static void main(String[] args) {  
6         int num =0;  
7         start:  
8         {  
9             for(int i=0; i<=10; i++) {  
10                for(int j=0; j<=10; j++) {  
11                    if(i==5)  
12                        break start;  
13                }  
14                num++;  
15            }  
16        }  
17        System.out.println(num);  
18    }  
19 }  
20 }  
21 }
```

The IDE's output console at the bottom shows the following text:

```
<terminated> Program3 [Java Application] C:\Program Files\Java\jre1.8.0_241\bin\javaw.exe (30-Mar-2022, 10:41:37 am - 10:41:37 am)  
5
```

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

```
public class Program4 {  
    public static void main(String[] args) {  
        int sum=0;  
        for(int i=1; i<=20; i++) {  
            if((i%2)!=0)  
                continue;  
            System.out.println(i);  
            sum = sum+i;  
        }  
        System.out.println("The sum of first 10 even numbers is: "+sum);  
    }  
}
```

OUTPUT:

```
1 //4. Do the addition of around 10 even numbers, but use the continue statement in this logi
2 package SBA1;
3
4 public class Program4 {
5     public static void main(String[] args) {
6         int sum=0;
7         for(int i=1; i<=20; i++) {
8             if((i%2)!=0)
9                 continue;
10            System.out.println(i);
11            sum = sum+i;
12        }
13        System.out.println("The sum of first 10 even numbers is: "+sum);
14    }
15 }
16
17
```

Terminal Problems Console Progress Servers

<terminated> SBA1d [Java Application] C:\Program Files\Java\jre1.8.0_241\bin\javaw.exe (30-Mar-2022, 10:43:55 am)

2
4
6
8
10
12
14
16
18
20
The sum of first 10 even numbers is: 110

Acti