**EXAPMLE PROBLEMS ON ARRAYS:**

**ADDING AN INDEX VALUE**

**import java.util.Arrays;**

**public class Arras {**

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

**int ele=45;**

**int ind=4;**

**int[]arr= {10,20,30,40,50,60,70,80};**

**int[] res=new int[arr.length+1];**

**for(int i=0;i<ind;i++) {**

**res[i]=arr[i];**

**}**

**res[ind]=ele;**

**for(int i=ind;i<arr.length;i++) {**

**res[i+1]=arr[i];**

**}**

**System.*out*.println(Arrays.*toString*(arr));**

**System.*out*.println(Arrays.*toString*(res));**

**}**

**}**

**OUTPUT:**

**[10, 20, 30, 40, 50, 60, 70, 80]**

**[10, 20, 30, 40, 45, 50, 60, 70, 80]**

**EXAMPLE:**

**REMOVING AN INDEX VALUE  
  
import java.util.Arrays;**

**public class Arras {**

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

**int ele=45;**

**int ind=4;**

**int[]arr= {10,20,30,40,50,60,70,80};**

**int[] res=new int[arr.length-1];**

**for(int i=0;i<ind;i++) {**

**res[i]=arr[i];**

**}**

**res[ind]=ele;**

**for(int i=ind;i<arr.length;i++) {**

**res[i-1]=arr[i];**

**}**

**System.*out*.println(Arrays.*toString*(arr));**

**System.*out*.println(Arrays.*toString*(res));**

**}**

**}**

**OUTPUT;**

**[10, 20, 30, 40, 50, 60, 70, 80]**

**[10, 20, 30, 50, 60, 70, 80]**

**EXAMPLE:**

**SUM OF AN ALL ELEMENTS IN ARRAY**

**package aug7thjp;**

**import java.util.Arrays;**

**public class Arras {**

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

**int[]arr= {10,20,30};**

**int sum=0;**

**for(int i=0;i<arr.length;i++) {**

**sum=arr[i]+sum;**

**}**

**System.*out*.println(sum);**

**}**

**}**

**OUTPUT;**

**60**