

Placement Training – Technical (Java Programming)

To equip students with industry-ready skills and boost their employability, a comprehensive **Placement Training Program in Java** was organized on **23/06/2025 to 03/07/2025** for the MCA students. The training aimed at strengthening core programming concepts while also enhancing problem-solving abilities, coding practices, and interview readiness.

The training not only deepened their understanding of Java but also prepared them to face **technical rounds in interviews** conducted by leading software companies. Students actively participated in coding challenges, team-based activities, and mini-projects which simulated workplace scenarios.

This initiative proved to be an essential step toward bridging the gap between academic learning and industry expectations, ultimately enhancing the students' preparedness for placements in top IT firms.



Technical Training for students

As part of placement preparation, students are often given **technical assignments in Java** to strengthen their core programming skills and problem-solving abilities. These assignments are designed to simulate real-world coding challenges and interview-level tasks that are frequently encountered during technical assessments by IT companies.

← Index of K Value in Array

Problem Submission Discussions

Problem
The goal of this task is to write a Java program that finds the index of a given value K in a given array. If K is not found in the array, the program should print -1.

Input Format
The first line contains a single integer, N, representing the size of the array.
The second line contains N space-separated integers, representing the elements of the array.
The third line contains a single integer, K, representing the value to be found.

Output Format
Print the index of the first occurrence of K in the array. If K is not found, print -1.

Sample Inputs & Outputs

Sample Input 1

```
7
5 9 2 8 3 7 2
5
```

Sample Output 1

```
2
```

Sample Input 2

```
6
5 4 4 3 3 8 8
5
```

Sample Output 2

```
-1
```

Constraints

- 1 ≤ N ≤ 10⁵ (the size of the array).
- 10⁹ ≤ elements of the array ≤ 10⁹.
- 10⁹ ≤ K ≤ 10⁹.

```

1 import java.util.*;
2
3 public class Main {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6         int n = scanner.nextInt();
7         int[] arr = new int[n];
8         for(int i=0; i<n; i++)
9             arr[i] = scanner.nextInt();
10
11         int k = scanner.nextInt();
12         int res = -1;
13         for(int i=0; i<n; i++)
14             if(arr[i] == k)
15                 res = i;
16     }
17 }
18
19 public static int indexOf(int[] A, int K)
20 {
21     for(int i=0; i<A.length; i++)
22         if(A[i]==K)
23             return i;
24     return -1;
25 }
26 }

```

Run with custom input

← Reverse Even Array

Problem Submission Discussions

Problem
Write a program to print even numbers present in an array in reverse order.

Input Format
First line contains a single integer N. Next line contains N space separated integer values.

Output Format
Print spaces separated even integer values stored in an array in reverse order.

Sample Inputs & Outputs

Sample Input 1

```
5
1 4 6 3 3 8
```

Sample Output 1

```
8 6 4
```

Sample Input 2

```
6
2 3 4 6 7
```

Sample Output 2

```
6 4 2
```

Constraints

- 1 ≤ N ≤ 10⁵
- 10⁹ ≤ array elements ≤ 10⁹

```

1 import java.util.Scanner;
2 public class Main {
3     public static void main(String[] args) {
4         Scanner sc = new Scanner(System.in);
5         int N = sc.nextInt();
6         int[] arr = new int[N];
7         for(int i=0; i<N; i++)
8             arr[i] = sc.nextInt();
9
10        int[] even = new int[N];
11        int evenCount = 0;
12        public static void reverse(int[] arr)
13        {
14            int start = 0, end = arr.length-1;
15            while(start < end)
16            {
17                int temp = arr[start];
18                arr[start] = arr[end];
19                arr[end] = temp;
20                start++;
21                end--;
22            }
23        }
24    }

```

← Repeated Elements in Two Sorted Arrays

Problem Submission Discussions

Problem
Find and print the elements that are repeated in both given sorted arrays.

Input Format
The input consists of four lines:
An integer N (1 < N < 10⁵), representing the number of elements in array A.
N space-separated integers, denoting the elements of array A.
An integer M (1 ≤ M ≤ 10⁵), representing the number of elements in array B.
M space-separated integers, denoting the elements of array B.

Output Format
Print the repeated elements from both arrays in ascending order, separated by a space.

Sample Inputs & Outputs

Sample Input 1

```
6
2 4 5 5 7 8
7
2 3 5 5 6 7 8
```

Sample Output 1

```
5 5
```

```

1 import java.util.*;
2
3 public class Main {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6         int n = scanner.nextInt();
7         int[] arr = new int[n];
8         for(int i=0; i<n; i++)
9             arr[i] = scanner.nextInt();
10
11         int m = scanner.nextInt();
12         int[] brr = new int[m];
13         for(int i=0; i<m; i++)
14             brr[i] = scanner.nextInt();
15         Set<Integer> setA = new HashSet<>();
16         Set<Integer> setB = new HashSet<>();
17         while(i < arr.length && j < brr.length) {
18             if(arr[i] == brr[j])
19                 System.out.print(arr[i] + " ");
20             i++;
21             j++;
22         }
23         while(i < arr.length)
24             i++;
25         while(j < brr.length)
26             j++;
27     }

```

Run with custom input

Run code Submit code

Student Testimonials

We are proud to share the voices of our students, whose journeys reflect the quality and impact of our training and placement initiatives. Their feedback not only motivates us to continue striving for excellence but also stands as a testament to the dedication of our faculty and the effectiveness of our programs.

Chinmayee B L • You
BCA Graduate | Pursuing MCA | Exploring Opportunities in Tech
3w • Edited • 📍

****Advancing Technical Proficiency Through a 10-Day Java Workshop****

I am delighted to share that I have successfully completed an intensive 10-day Java workshop, a valuable opportunity that contributed significantly to my technical development and understanding of Java program. 🌟

This training provided structured and comprehensive learning, focusing on both foundational concepts and practical applications. What stood out was the use of visual aids and animations, which transformed complex topics into clear, digestible lessons. This approach not only made the sessions engaging but also greatly enhanced conceptual clarity and retention.

The workshop emphasized hands-on learning through assignments and assessments, allowing me to apply theoretical knowledge in a practical context. This helped in strengthening problem-solving skills and building confidence in coding with Java.

"A heartfelt thanks to our HOD **Dr. Sneha Girish** mam and placement and training department @ksit for this transformative Java training. Ten days of hands-on learning, mentorship, and skill-building that will shape our journey ahead. 🙏🌟"

I am truly grateful to our trainer **MALLIKARJUN V VERNEKAR** Sir @Tapacademy for demonstrating patience, expertise, and a commitment to ensuring every participant's understanding. Their teaching style played a pivotal role in making Java concepts approachable and achievable. 😊

This workshop has laid a strong foundation for my continued journey in Java programming, and I look forward to building on these skills in future academic and professional endeavors.

#Java #TechnicalProficiency #ContinuousLearning #ProfessionalDevelopment #Programming #Upskilling #MCA #KSIT #TAPACADEMY

| Assignment | Modules | Questions | Marks Scored | Completed |
|---------------------|---------|-----------|--------------|-----------|
| KSIT Pre Assessment | 2 | 16 | 26 / 60 | Completed |
| Core Java | 10 | 100 | 321 / 331 | Completed |
| Programming | 8 | 108 | 1078 / 1050 | Completed |

Deepthi G Acharya • 1st
MCA Student | Exploring Technology & Innovation | Passionate About Learning & ...
3w • 📍

Leveling Up in Java: A 10-Day Coding Journey!

I had the opportunity to attend an intensive and hands-on 10-day Core Java training program conducted by TAP Academy at K. S. Institute of Technology (KSIT).

The training began with the fundamentals and gradually progressed to deeper concepts, offering insights into how Java works inside the computer, including memory allocation, execution flow, and programming logic. Real-time examples and visual explanations made the sessions interactive and easy to follow. The program also included regular assessments and hands-on coding tasks, which helped reinforce key concepts, improve logical thinking, and gradually boost our coding confidence.

A snapshot of my progress, showing the number of assignments I completed and the scores I achieved, reflects the dedication and consistency I maintained throughout the journey.

The training covered a wide range of topics, including Java fundamentals and key features, Object Orientation, and data types. We also practiced programs based on control structures (if-else, loops), methods and method overloading, arrays (traversal, pairs, sorting), as well as string manipulation and pattern-based programming. Additionally, the sessions provided a strong understanding of Java's internal workings, including how memory is managed and how programs are executed at runtime.

This experience laid a solid foundation in Core Java and significantly boosted my coding confidence and problem-solving abilities.

I'm sincerely grateful to our trainer, **MALLIKARJUN V VERNEKAR** Sir, the TAP Academy, the Department of Training and Placement, and Head of MCA Department, **Dr. Sneha Girish Ma'am**, for organizing such a valuable and practical learning experience.

#CoreJava #JavaTraining #LearningJourney #KSIT #TAPAcademy #MCA #HandsOnCoding

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We thank our students for their kind words. Their appreciation motivates us to further strengthen our efforts in providing quality education, hands-on training, and career readiness for every aspiring professional.