JAVA PROGRAM-1

```
import java.util.*;

public class  Mainit {
    static int maxRowSize = 100;
    static String[][] attendance_list = new
String[maxRowSize][3];
    static int size = 0;
    public static void insert(String id, String name,
String status) {
        if (size >= maxRowSize) {
            System.out.println("List is full!");
            return;
        }
        attendance_list[size][0] = id;
        attendance_list[size][1] = name;
        attendance_list[size][2] = status;
        size++;
        System.out.println("Attendance marked
successfully.");
    }
    public static void delete(int pos) {
        if (pos < 0 || pos >= size) {
            System.out.println("Invalid position!");
            return;
```

```
        }
        for (int i = pos; i < size - 1; i++) {
            attendance_list[i][0] = attendance_list[i +
1][0];
            attendance_list[i][1] = attendance_list[i +
1][1];
            attendance_list[i][2] = attendance_list[i +
1][2];
        }
        size--;
        System.out.println("Employee deleted
successfully.");
    }
    public static void display() {
        if (size == 0) {
            System.out.println("No attendance records
found!");
            return;
        }
        System.out.println("ID\tName\t\tStatus");
        for (int i = 0; i < size; i++) {
            System.out.println(attendance_list[i][0] + "\t"
+ attendance_list[i][1] + "\t\t" +
attendance_list[i][2]);
        }
```

```
    }
    public static void update(String id, String
newStatus) {
        boolean found = false;
        for (int i = 0; i < size; i++) {
            if (attendance_list[i][0].equals(id)) {
                attendance_list[i][2] = newStatus;
                found = true;
                System.out.println("Attendance updated
successfully.");
                break;
            }
        }
        if (!found) {
            System.out.println("Employee ID not
found.");
        }
    }

    // Main menu
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int choice;
        do {
            System.out.println("\nEnter your choice:");
```

```
            System.out.println("1. Mark Attendance
(Insert)");
            System.out.println("2. Display Attendance
List");
            System.out.println("3. Update Attendance
Status");
            System.out.println("4. Delete Employee from
List");
            System.out.println("5. Exit");
            choice = sc.nextInt();
            sc.nextLine(); // consume newline

            switch (choice) {
               case 1:
                  System.out.println("Enter Employee
ID:");
                  String id = sc.nextLine();
                  System.out.println("Enter Employee
Name:");
                  String name = sc.nextLine();
                  System.out.println("Enter Status
(Present/Absent):");
                  String status = sc.nextLine();
                  insert(id, name, status);
                  break;
```

```
            case 2:
                display();
                break;
            case 3:
                System.out.println("Enter Employee ID
to update:");
                String updateId = sc.nextLine();
                System.out.println("Enter new status
(Present/Absent):");
                String newStatus = sc.nextLine();
                update(updateId, newStatus);
                break;
            case 4:
                System.out.println("Enter position to
delete (starting from 0):");
                int pos = sc.nextInt();
                delete(pos);
                break;
            case 5:
                System.out.println("Exiting...");
                break;
            default:
                System.out.println("Invalid input! Try
again.");
        }
```

```
        } while (choice != 5);
    }
}
```

JAVA PROGRAM-2

```
import java.util.*;

public class TwoDimensionalArray {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        int students = 3;
        int subjects = 2;
        String[] subjectNames = {"Math", "Science"};
        int[][] marks = new int[students][subjects];

        System.out.println("Enter marks for " +
students + " students in " + subjects + " subjects
(Math, Science):");
        for (int i = 0; i < students; i++) {
            System.out.println("Student " + (i + 1) + ":");
            for (int j = 0; j < subjects; j++) {
                System.out.print(" " + subjectNames[j] +
": ");
                marks[i][j] = sc.nextInt();
            }
```

```
        }

System.out.println("\nStudent\tMath\tScience");
        for (int i = 0; i < students; i++) {
            System.out.print("S" + (i + 1) + "\t");
            for (int j = 0; j < subjects; j++) {
                System.out.print(marks[i][j] + "\t");
            }
            System.out.println();
        }
    }
}
```