



**DEPARTMENT OF**

**COMPUTER SCIENCE & ENGINEERING**

### Experiment-1.1

**Student Name: Mohd Suhail Saifi**

**UID: 21BCS3864**

**Branch: BE-CSE**

**Section/Group: NTPP\_CC\_601-A**

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**Subject Name: Project-Based Learning in JAVA**

**Subject Code: 21CSH-319**

**Aim:** Create an application to save employee information using arrays.

#### **Objective:**

1. To learn about arrays in Java.
2. To learn about the usage of loops and switch statements.

#### **Input/Apparatus Used:**

Java Online Compiler

#### **Code:**

```
import java.util.Scanner;

public class EmployeeInformation {    public
static void main(String[] args) {    Scanner
scanner = new Scanner(System.in);
    final int MAX_EMPLOYEES = 100;

    String[] names = new String[MAX_EMPLOYEES];
    int[] ages = new int[MAX_EMPLOYEES];
    String[] positions = new String[MAX_EMPLOYEES];
```

```
int employeeCount = 0;

while (true) {
    System.out.println("\nEmployee Information");
    System.out.println("1. Add Employee");
    System.out.println("2. View Employees");
    System.out.println("3. Exit");

    System.out.print("Enter your choice (1/2/3): ");
    int choice = scanner.nextInt();

    switch (choice) {
case 1:
        if (employeeCount < MAX_EMPLOYEES) {
            System.out.print("Enter employee name: ");
            names[employeeCount] = scanner.next();
            System.out.print("Enter employee age: ");
            ages[employeeCount] = scanner.nextInt();
            System.out.print("Enter employee position: ");
            positions[employeeCount] = scanner.next();
            employeeCount++;
            System.out.println("Employee added successfully!");
        } else {
            System.out.println("Maximum number of employees reached!");
        }
        break;
case 2:
        if (employeeCount == 0) {
            System.out.println("No employees to display.");
        } else {
            System.out.println("\nEmployee Information:");
            for (int i = 0; i < employeeCount; i++) {
                System.out.println("Name: " + names[i] + ", Age: " + ages[i] + ", Position: " +
positions[i]);
            }
        }
    }
}
```

```
        }  
    }  
    break;  
case 3:  
    System.out.println("Exiting program. Goodbye!");  
    scanner.close();  
    System.exit(0);  
default:  
    System.out.println("Invalid choice. Please enter 1, 2, or 3.");  
}  
}  
}  
}
```

### Result/Output:

```
Employee Information  
1. Add Employee  
2. View Employees  
3. Exit  
Enter your choice (1/2/3): 1  
Enter employee name: Suhail  
Enter employee age: 21  
Enter employee position: HR  
Employee added successfully!  
  
Employee Information  
1. Add Employee  
2. View Employees  
3. Exit  
Enter your choice (1/2/3): 2  
  
Employee Information:  
Name: Suhail, Age: 21, Position: HR  
  
Employee Information  
1. Add Employee  
2. View Employees  
3. Exit  
Enter your choice (1/2/3):
```