

Experiment – 5 (Easy)

Student Name: Shivam Sharma

UID: 22BCS13843

Branch: BE-CSE

Section/Group: DL_905-A

Semester: 6th

Date of Performance: 24-02-2025

Subject Name: PBLJ

Subject Code: 22CSH-359

1. **Aim:** Write a Java program to implement an ArrayList that stores employee details (ID, Name, and Salary). Allow users to add, update, remove, and search employees.

2. Code:

```
import java.util.ArrayList;
import java.util.List;
```

```
public class Easy {
```

```
    public static void main(String[] args) {
        List<String> stringNumbers = List.of("1", "2", "3", "4", "5");
        List<Integer> numbers = parseStringToIntegers(stringNumbers);
        int sum = calculateSum(numbers);
        System.out.println("The sum is: " + sum);
    }
```

```
    public static List<Integer> parseStringToIntegers(List<String> stringNumbers) {
        List<Integer> numbers = new ArrayList<>();
        for (String str : stringNumbers) {
            numbers.add(Integer.parseInt(str));
        }
        return numbers;
    }
```

```
    public static int calculateSum(List<Integer> numbers) {
        int sum = 0;
        for (Integer num : numbers) {
            sum += num;
        }
        return sum;
    }
}
```

3. Output:

```
● PS D:\Semester 6> cd "D:\Semester 6\Java (Github)\Expt 5"  
● PS D:\Semester 6\Java (Github)\Expt 5> java Easy  
The sum is: 15  
❖ PS D:\Semester 6\Java (Github)\Expt 5> |
```

(Output 1)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Discover. Learn. Empower.

