

EXPERIMENT-2.3

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Subject Name: PBLJ Lab

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Subject Code: 20CSP-321

1. Aim/Overview of the practical:

Write a Program to perform the basic operations like insert, delete, display and search in list.

Task to be done/ Which logistics used:

Eclipse IDE (Java)

NetBeans

2. Code:-

```
import java.util.Scanner;
import java.util.ArrayList;

public class operations {

    public static void main(String[] args) {
        ArrayList<String> StringList = new ArrayList<>();
        Scanner sc = new Scanner(System.in);
        System.out.println("-----MENU-----");
        System.out.println("1.Insert");
        System.out.println("2.Delete");
        System.out.println("3.Search");
        System.out.println("4.Display");
        System.out.println("5.Exit");
    }
}
```

```
int n = 0;
while(n!=5) {
    System.out.println("Enter your Choice:");
    n = sc.nextInt();
    switch (n) {
        case 1:
            System.out.println("Enter the item to be inserted.");
            String naam = sc.next();
            StringList.add(naam);
            break;
        case 2:
            System.out.println("Enter the item to be deleted.");
            String delete = sc.next();
            if (StringList.contains(delete)) {
                StringList.remove(delete);
                System.out.println("Deleted!!");
            } else {
                System.out.println("Entered item is not found.");
            }
            break;
        case 3:
            System.out.println("Enter the item to search.");
            String search = sc.next();
            if (StringList.contains(search)) {
                System.out.println("Item found in the array.");
            } else {
                System.out.println("Item not found in the array.");
            }
            break;
        case 4:
            System.out.println("Items in the arraylist are:");
            for (String i : StringList) {
                System.out.print(i);
                System.out.print(" ");
            }
            System.out.println();
            break;
        case 5:
            break;
    }
}
}
```

5. Output:-

```
Run: operations x
"C:\Program Files\Java\jdk-18.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.2.1\l
-----MENU-----
1.Insert
2.Delete
3.Search
4.Display
5.Exit
Enter your Choice:
1
Enter the item to be inserted.
3
Enter your Choice:
1
Enter the item to be inserted.
5
Enter your Choice:
4
Items in the arraylist are:
3 5
Enter your Choice:
```