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## **OOP Practical 11**

**Problem** : Aisha is designing a module for an office management system which will help her colleagues reduce their work by detecting the duplicate strings in their data. Design a java program to implement to print duplicate strings in the given array, if any.

**Program** :

```
package Hare_Krishna;

import java.util.Scanner;

public class Prac_11
{
    private static void dplcte()
    {
        Scanner scnr = new Scanner(System.in);
        System.out.print("\nEnter the size of String array : ");
        int n = scnr.nextInt();
        String[] in = new String[n];
        System.out.print("\nEnter the Strings : ");
        for (int i=0; i<n; i++)
            in[i] = scnr.next();
        System.out.println();
    }
}
```

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```
        for (int a=0; a<n; a++)
        {
            for (int b=a+1; b<n; b++)
            {
                if (in[a].equals(in[b]))
                    System.out.println(in[b]);
            }
        }
    }
}

public static void main(String... s)
{
    dplcte();
}
}
```

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Output :

The screenshot shows an IDE with the following components:

- Project Structure:** Hare\_Krishna (src, bin, Hare\_Krishna, abstract.java, App, arith, Codechef, Codechef2, constr.java, Demo, demo, ex1, ex2, ex3, harekrshna, IBM\_3dot1, IBM\_3dot2, pliza, prac\_2, prac\_3, prac\_4, prac\_5, prac\_5\_bfrrdr.java, prac\_7.java, prac\_8.java, prac\_9.java, prac\_9.java, banks, bol, hdfc, prac\_9, sbi, Prac\_11, Prac\_12.java, README.md).
- Code Editor:** Shows the file `Prac_11.java` with the following code:

```
1 package Hare_Krishna;
2
3 import java.util.Scanner;
4
5 // Yash Lakhtariya
6 public class Prac_11
7 {
8     // 1 usage // Yash Lakhtariya
9     private static void dplcte()
10    {
11        Scanner scnr = new Scanner(System.in);
12        System.out.println("\nEnter the size of String array : ");
13        int n = scnr.nextInt();
14        String[] in = new String[n];
15        System.out.println("\nEnter the Strings : ");
16        for (int i=0; i<n; i++)
17        {
18            in[i] = scnr.next();
19        }
20        System.out.println();
21        for (int a=0; a<n; a++)
22        {
23            for (int b=a+1; b<n; b++)
24            {
25                if (in[a].equals(in[b]))
26                    System.out.println(in[b]);
27            }
28        }
29    }
30
31    // Yash Lakhtariya
32    public static void main(String... s)
33    {
34        dplcte();
35    }
36 }
```
- Run:** Shows the command line output:

```
/usr/lib/jvm/default/bin/java
-javaagent:/usr/share/idea/lib/idea_rt
.jar=44501:/usr/share/idea/bin -Dfile.encoding=UTF-8
-classpath /home/yash/Documents/sem3practicals/OOP
/Hare_Krishna/bin/production/Hare_Krishna:/home/yash/
.m2/repository/org/jetbrains/kotlin/kotlin-stdlib-jdk8/1.7
.10/kotlin-stdlib-jdk8-1.7.10.jar:/home/yash/
.m2/repository/org/jetbrains/kotlin/kotlin-stdlib/1.7
.10/kotlin-stdlib-1.7.10.jar:/home/yash/
.m2/repository/org/jetbrains/kotlin/kotlin-stdlib-common/1
.7.10/kotlin-stdlib-common-1.7.10.jar:/home/yash/
.m2/repository/org/jetbrains/annotations/13
.0/annotations-13.0.jar:/home/yash/
.m2/repository/org/jetbrains/kotlin/kotlin-stdlib-jdk7/1.7
.10/kotlin-stdlib-jdk7-1.7.10.jar Hare_Krishna.Prac_11

Enter the size of String array : 6

Enter the Strings : acd abc adc aab acd abc

acd
abc

Process finished with exit code 0
```