

JAVA PROGRAMS

1. Write a Program to remove duplicates in an ArrayList.

```
import java.util.ArrayList;

import java.util.Arrays;

import java.util.LinkedHashSet;

import java.util.Set;


class Main {

public static void main(String[] args) {


ArrayList<Integer> numbers = new ArrayList<>(Arrays.asList(1, 2, 3, 4, 1, 3));

System.out.println("ArrayList with duplicate elements: " + numbers);


Set<Integer> set = new LinkedHashSet<>();

set.addAll(numbers);

numbers.clear();

numbers.addAll(set);

System.out.println("ArrayList without duplicate elements: " + numbers);

}

}
```

2. How to sort array in java?

```
import java.util.Arrays;


class Sorting {

public static void main(String args[])

{

int[] arr = { 25,-234,-22,55,-11,122,35 };

System.out.println("Before Sorting: ");

for (int num : arr) {

System.out.print(num + " ");

}

Arrays.sort(arr);

}
```

```

System.out.println("\nAfter Sorting: ");
for (int num : arr) {
    System.out.print(num + " ");
}
}
}

```

3. Write a Java Program to find whether a string or number is palindrome or not.

```

import java.util.Scanner;

class palindrome
{
    public static void main(String args[])
    {
        String str, rev = "";
        Scanner sc = new Scanner(System.in);

        System.out.println("Enter a string:");
        str = sc.nextLine();

        int length = str.length();

        for ( int i = length - 1; i >= 0; i-- )
            rev = rev + str.charAt(i);

        if (str.equals(rev))
            System.out.println(str+" is a palindrome");
        else
            System.out.println(str+" is not a palindrome");

    }
}

```

SQL

1. "How to fetch 3rd highest salary using Rank Function"

```

SELECT ROWNUM as RANK,ename,sal
FROM(SELECT ename,sal FROM emp
ORDER BY sal )

```

WHERE ROWNUM <=2;

2. How do we use the DISTINCT statement? What are its use?

The DISTINCT statement is used with the SELECT statement. If the record contains duplicate values then the DISTINCT statement is used to select different values among duplicate records.

Syntax:

SELECT DISTINCT column_name(s)

FROM table_name;

3. "How Can i create table with same structure with data of Employee table?"

CREATE TABLE NEW_TABLE_NAME AS

SELECT [column1, column2...columnN]

FROM EXISTING_TABLE_NAME

[WHERE]