Programiz Online Java Compiler

Main.java

Share Run

```java
import java.util.HashSet;
import java.util.Set;

public class UniquePermutations {
    public static void main(String[] args) {
        String number = "143";
        Set<String> permutations = new HashSet<>();
        generatePermutations("", number, permutations);
        System.out.println("Permutations are:");
        permutations.forEach(System.out::println);
    }

    private static void generatePermutations(String prefix, String remaining,
        Set<String> permutations) {
        int n = remaining.length();
        if (n == 0) {
            permutations.add(prefix);
        } else {
            for (int i = 0; i < n; i++) {
                generatePermutations(prefix + remaining.charAt(i), remaining
                    .substring(0, i) + remaining.substring(i + 1), permutations
                    );
            }
        }
    }
}
```

Output

```
java -cp /tmp/YziCDEgTPj/UniquePermutations
Permutations are:
143
341
134
431
413
314

=== Code Execution Successful ===
```

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Output

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

public class NumberSquareArray {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter the lower range: ");

        int lowerRange = scanner.nextInt();
        System.out.print("Enter the upper range: ");
        int upperRange = scanner.nextInt();

        ArrayList<int[]> numberSquareArray = new ArrayList<>();
        for (int i = lowerRange; i <= upperRange; i++) {
            numberSquareArray.add(new int[]{i, i * i});
        }

        System.out.println(numberSquareArray);
    }
}

```

```
java -cp /tmp/PFJx3nJTQ1/NumberSquareArray
Enter the lower range: 45
Enter the upper range: 49
[[I@256216b3, [I@2a18f23c, [I@d7b1517, [I@16c0663d, [I@23223dd8]

=== Code Execution Successful ===
```

Main.java

Share

Run

Output

```java
class BankAccount {
    String depositorName;
    int accountNumber;
    String accountType;
    double balance = 100.0;

    public void displayName(){
        System.out.println("Hari krishna");
    }

    public void displayBalance () {
        System.out.println("Balance : Rs."+ balance);
    }
}
public class main {
    public static void main (String[] args) {
        BankAccount account = new BankAccount () ;
        account.displayName();
        account.displayBalance();
    }
}
```

```
java -cp /tmp/HSfJKAYi3N/main
Hari krishna
Balance : Rs.100.0

=== Code Execution Successful ===
```

Programiz Online Java Compiler

Main.java

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Output

```java
public class PalindromeGenerator {
    public static void main(String[] args) {
        int inputNumber = 7325;
        int reverseNumber = 0;
        int temp = inputNumber;

        while (true) {
            int remainder = temp % 10;
            reverseNumber = reverseNumber * 10 + remainder;
            temp = temp / 10;

            if (temp == 0) {
                break;
            }
        }

        int sum = inputNumber + reverseNumber;

        while (true) {
            int tempSum = sum;
            int reverseSum = 0;

            while (tempSum != 0) {
                int remainder = tempSum % 10;
                reverseSum = reverseSum * 10 + remainder;
                tempSum = tempSum / 10;
            }

            if (sum == reverseSum) {
                System.out.println("Palindrome: " + sum);
                break;
            } else {
                System.out.println(sum + " + " + reverseSum + " = " + (sum +
                    reverseSum));
                sum = sum + reverseSum;
            }
        }
    }
}
```

```
java -cp /tmp/ycD72jMtiE/PalindromeGenerator
12562 + 26521 = 39083
39083 + 38093 = 77176
77176 + 67177 = 144353
144353 + 353441 = 497794
Palindrome: 497794

=== Code Execution Successful ===
```