```java
// Online Java Compiler
// Use this editor to write, compile and run your Java code online

class Main {
    public static int f(int n1, int n2) {
        for (int i = Math.min(n1, n2); i >= 1; i--) {
            if (n1 % i == 0 && n2 % i == 0) {
                return i;
            }
        }
        return 1;
    }
    public static void main(String[] args) {
        int n1 = 9, n2 = 12;
        System.out.println("The GCD of is: " + f(n1, n2)); // Output:
            3
    }


}
```

```
The GCD of is: 3

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

```java
public static void Forward(int[] arr, int index) {
    if (index == arr.length) {
        return;
    }
    System.out.print(arr[index] + " ");
    Forward(arr, index + 1);
}
public static void Backward(int[] arr, int index) {
    if (index < 0) {
        return;
    }
    System.out.print(arr[index] + " ");
    Backward(arr, index - 1);
}

public static void main(String[] args) {
    int[] arr = {1, 2, 3, 4};
    System.out.print("Forward: ");
    Forward(arr, 0);

    System.out.println();
```

```
Forward: 1 2 3 4
Backward: 4 3 2 1
=== Code Execution Successful ===
```

```java
public static boolean Palindrome(int n) {
    int original = n;
    int reversed = 0;

    while (n > 0) {
        int digit = n % 10;
        reversed = reversed * 10 + digit;
        n = n / 10;
    }

    return original == reversed;
}

public static void main(String[] args) {
    int number = 4554;

    if (Palindrome(number)) {
        System.out.println("Palindrome Number");
    } else {
        System.out.println("Not a Palindrome");
```

```
Palindrome Number

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

```java
public static void Forward(int[] arr, int index) {
    if (index == arr.length) {
        return;
    }
    System.out.print(arr[index] + " ");
    Forward(arr, index + 1);
}
public static void Backward(int[] arr, int index) {
    if (index < 0) {
        return;
    }
    System.out.print(arr[index] + " ");
    Backward(arr, index - 1);
}

public static void main(String[] args) {
    int[] arr = {1, 2, 3, 4};
    System.out.print("Forward: ");
    Forward(arr, 0);

    System.out.println();
```

```
Forward: 1 2 3 4
Backward: 4 3 2 1
=== Code Execution Successful ===
```