Practical 1.1 : Write a program to display "Welcome to Java World".

Input:-

```
public class Welcome{
   public static void main(String[] args) {

      System.out.println("Welcome to Java World");

   }
}
```

Output:-

```
Welcome to Java World
```

Practical 1.2 : Write a program to find whether the number is prime or Not.

Input:-

```
import java.util.Scanner;

public class PrimeChecker {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.println("Enter a number to check if it is prime:");
        int number = scanner.nextInt();

        boolean isPrime = true;

        if (number <= 1) {
            isPrime = false;
        } else {
            for (int i = 2; i * i <= number; i++) {
                if (number % i == 0) {
                    isPrime = false;
                    break;
                }
            }
        }
        if (isPrime) {
            System.out.println(number + " is a prime number.");
        } else {
            System.out.println(number + " is not a prime number.");
        }
        scanner.close();
    }
}
```

Output:-

```
//Prime Number
Enter a number to check if it is prime: 2
2 is a prime number.
//Not-Prime Number
Enter a number to check if it is prime: 6
6 is a not a prime number.
```

Practical 1.3 : Write a program to find a greater number among given three numbers using
a) ternary operator
b) nested if

Input:-

```
import java.util.Scanner;

public class GreatestNumber {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter three numbers:");
        int num1 = scanner.nextInt();
        int num2 = scanner.nextInt();
        int num3 = scanner.nextInt();

        int greatestTernary = (num1 > num2) ? ((num1 > num3) ? num1 : num3) : ((num2 > num3)
? num2 : num3);

        System.out.println("The greatest number using ternary operator is: " + greatestTernary);

        int greatestNestedIf;

        if (num1 >= num2) {
            if (num1 >= num3) {
                greatestNestedIf = num1;
            } else {
                greatestNestedIf = num3;
            }
        } else {
            if (num2 >= num3) {
                greatestNestedIf = num2;
            } else {
                greatestNestedIf = num3;
            }
        }
        System.out.println("The greatest number using nested if is: " + greatestNestedIf);

        scanner.close();
    }
}
```

Output:-

```
Enter three numbers: 25 98 65
The greatest number using ternary operator is: 98
The greatest number using nested if is: 98
```

Practical 1.4 : Write a program to print the Fibonacci series.

Input:-

```
import java.util.Scanner;

public class FibonacciSeries {
   public static void main(String[] args) {
      Scanner scanner = new Scanner(System.in);

      System.out.println("Enter the number of terms in the Fibonacci series:");
      int terms = scanner.nextInt();

      int firstTerm = 0, secondTerm = 1;

      System.out.println("Fibonacci Series up to " + terms + " terms:");

      for (int i = 1; i <= terms; i++) {
         System.out.print(firstTerm + " ");

         int nextTerm = firstTerm + secondTerm;
         firstTerm = secondTerm;
         secondTerm = nextTerm;
      }

      scanner.close();
   }
}
```

Output:-

```
Enter the number of terms in the Fibonacci series: 15
Fibonacci Series up to 15 terms:
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377
```