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

        System.out.println("Temperature Converter");
        System.out.println("Choose the input temperature unit (C for Celsius, F for Fahrenheit, K for Kelvin): ");
        String inputUnit = scanner.next().toUpperCase();

        if (!inputUnit.equals("C") && !inputUnit.equals("F") && !inputUnit.equals("K")) {
            System.out.println("Invalid unit. Please use C for Celsius, F for Fahrenheit, or K for Kelvin.");
            return;
        }

        System.out.println("Enter the temperature value: ");
        double temperature = scanner.nextDouble();

        switch (inputUnit) {
            case "C":
                convertFromCelsius(temperature);
                break;
            case "F":
                convertFromFahrenheit(temperature);
                break;
            case "K":
                convertFromKelvin(temperature);
                break;
        }

        scanner.close();
    }

    public static void convertFromCelsius(double celsius) {
        double fahrenheit = (celsius * 9/5) + 32;
        double kelvin = celsius + 273.15;

        System.out.printf("Temperature in Celsius: %.2f°C\n", celsius);
        System.out.printf("Temperature in Fahrenheit: %.2f°F\n", fahrenheit);
        System.out.printf("Temperature in Kelvin: %.2f K\n", kelvin);
    }

    public static void convertFromFahrenheit(double fahrenheit) {
        double celsius = (fahrenheit - 32) * 5/9;
        double kelvin = celsius + 273.15;

        System.out.printf("Temperature in Fahrenheit: %.2f°F\n", fahrenheit);
        System.out.printf("Temperature in Celsius: %.2f°C\n", celsius);
    }
}

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        System.out.printf("Temperature in Kelvin: %.2f K\n", kelvin);
    }

    public static void convertFromKelvin(double kelvin) {
        double celsius = kelvin - 273.15;
        double fahrenheit = (celsius * 9/5) + 32;

        System.out.printf("Temperature in Kelvin: %.2f K\n", kelvin);
        System.out.printf("Temperature in Celsius: %.2f°C\n", celsius);
        System.out.printf("Temperature in Fahrenheit: %.2f°F\n", fahrenheit);
    }
}
```