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(“1. Celsius to Fahrenheit”);

System.out.println(“2. Fahrenheit to Celsius”);

System.out.print(“Enter your choice (1 or 2): “);

Int choice = scanner.nextInt();

If (choice == 1) {

System.out.print(“Enter temperature in Celsius: “);

Double celsius = scanner.nextDouble();

Double fahrenheit = celsiusToFahrenheit(celsius);

System.out.println(“Temperature in Fahrenheit: “ + fahrenheit);

} else if (choice == 2) {

System.out.print(“Enter temperature in Fahrenheit: “);

Double fahrenheit = scanner.nextDouble();

Double celsius = fahrenheitToCelsius(fahrenheit);

System.out.println(“Temperature in Celsius: “ + celsius);

} else {

System.out.println(“Invalid choice. Please enter 1 or 2.”);

}

Scanner.close();

}

// Celsius to Fahrenheit conversion

Private static double celsiusToFahrenheit(double celsius) {

Return (celsius \* 9/5) + 32;

}

// Fahrenheit to Celsius conversion

Private static double fahrenheitToCelsius(double fahrenheit) {

Return (fahrenheit – 32) \* 5/9;

}

}