// TASK 1

// A string variable named name with the value "John Doe"

// An integer variable named age with the value 25

// A boolean variable named isAdmin with the value true

// Print the values of these variables to the console.

using System;

class Program

{

static void Main(string[] args)

{

// TASK 1

// Declare and initialize the following variables:

// A string variable named name with the value "John Doe"

// An integer variable named age with the value 25

// A boolean variable named isAdmin with the value true

string name = "John Doe";

int age = 25;

bool isAdmin = true;

Console.WriteLine(name + " " + age + " " + isAdmin);

// TASK 2

// Write a program that takes an integer input from the user and prints out whether the number is even or odd.

// Use an if-else statement to determine whether the number is even or odd.

// Print "Even" if the number is even, and "Odd" if the number is odd.

Console.WriteLine("Enter an integer: ");

int b = Convert.ToInt32(Console.ReadLine());

if (b % 2 == 0)

{

Console.WriteLine("Your number is even");

}

else

{

Console.WriteLine("Your number is odd");

}

// TASK 3

// Write a program that prints out the numbers 1 to 10 using a for loop.

Console.WriteLine("Numbers from 1 to 10:");

for (int a = 1; a <= 10; a++)

{

Console.WriteLine(a);

}

// TASK 4

// Declare and initialize an integer array with the values 2, 4, 6, 8, 10.

// Print the sum of all elements in the array to the console.

int[] values = { 2, 4, 6, 8, 10 };

Console.WriteLine($"The sum of the elements in the array is {values[0] + values[1] + values[2] + values[3] + values[4]}");

// Foreach Loop

int[] value2 = { 2, 4, 6, 8, 10 };

foreach (int c in value2)

{

Console.WriteLine(c);

}

// TASK 5

// Call the Greet method from the Main method with the argument "Alice".

Greet("Alice");

}

static void Greet(string name)

{

Console.WriteLine("Hello, " + name + "!");

}

}