**QUESTION 1A:**

public class NigerianFlagSingleLoop {

public static void main(String[] args) {

int width = 21; // Adjust the width as needed

int height = 9; // Adjust the height as needed

int greenWidth = 6; // Width of the green section

int whiteWidth = 9; // Width of the white section

for (int i = 0; i < height; i++) {

// Print green section

for (int j = 0; j < greenWidth; j++) {

System.out.print("\*");

}

// Print white section

for (int j = 0; j < whiteWidth; j++) {

System.out.print("=");

}

// Print green section again

for (int j = 0; j < greenWidth; j++) {

System.out.print("\*");

}

System.out.println();

}

}

}

**QUESTION 1B:**

public class NigerianFlagNestedLoop {

public static void main(String[] args) {

int width = 21; // Adjust the width as needed

int height = 9; // Adjust the height as needed

int greenWidth = 6; // Width of the green section

int whiteWidth = 9; // Width of the white section

for (int i = 0; i < height; i++) {

for (int j = 0; j < width; j++) {

if (j < greenWidth || j >= width - greenWidth) {

System.out.print("\*");

} else {

System.out.print("=");

}

}

System.out.println();

}

}

}

**QUESTION 2A:**

public class FlagPatternSingleLoop {

public static void main(String[] args) {

int width = 21; // Width of the flag

int height = 9; // Height of the flag

for (int i = 0; i < height \* width; i++) {

if (i % width < 6 || i % width >= 15) {

System.out.print("\*"); // Green part

} else {

System.out.print("=");

}

if (i % width == width - 1) {

System.out.println();

}

}

}

}

**QUESTION 2B:**

public class FlagPatternNestedLoop {

public static void main(String[] args) {

int width = 21; // Width of the flag

int height = 9; // Height of the flag

for (int i = 0; i < height; i++) {

for (int j = 0; j < width; j++) {

if (j < 6 || j >= 15) { // Green part

System.out.print("\*");

} else {

System.out.print("=");

}

}

System.out.println();

}

}

}

**QUESTION 3:**

import java.util.Scanner;

public class UserInputArray {

public static void main(String[] args) {

int[] numbers = new int[10]; // Declare an array of length 10

Scanner scanner = new Scanner(System.in);

// Loop to accept input from the user

for (int i = 0; i < numbers.length; i++) {

System.out.print("Enter a number for index " + i + ": ");

numbers[i] = scanner.nextInt();

}

// Using a for-each loop to print out the input entered by the user

System.out.println("The numbers you entered are:");

for (int number : numbers) {

System.out.println(number);

}

scanner.close();

}

}

**QUESTION 4:**

import java.util.Scanner;

public class UserInput2DArray {

public static void main(String[] args) {

int[][] numbers = new int[10][10]; // Declare a 2D array of size 10

Scanner scanner = new Scanner(System.in);

// Nested loop to accept input from the user

for (int i = 0; i < numbers.length; i++) {

for (int j = 0; j < numbers[i].length; j++) {

System.out.print("Enter a number for index [" + i + "][" + j + "]: ");

numbers[i][j] = scanner.nextInt();

}

}

// Using a for-each loop to print out the input entered by the user

System.out.println("The numbers you entered are:");

for (int[] row : numbers) {

for (int number : row) {

System.out.print(number + " ");

}

System.out.println(); // New line for each row

}

scanner.close();

}

}