```
// Online Java Compiler
// Use this editor to write, compile and run your Java code online
import java.util.Scanner;
public class Main {
  public static void main(String[] args) {
    Scanner scanner = new Scanner(System.in);
    // Prompt user for the number of rows and columns
    System.out.print("Mag enter ka ng Number sa rows: ");
    int rows = scanner.nextInt();
    System.out.print("Mag enter ka ng Number sa columns: ");
    int columns = scanner.nextInt();
    // Create a 2D array with the specified dimensions
    int[][] array = new int[rows][columns];
    // Populate the array using nested for loops
    for (int i = 0; i < rows; i++) {
       for (int j = 0; j < columns; j++) {
         array[i][j] = i * j; // Set the element to the product of its row and column indices
      }
    }
    // Print the 2D array in a table format
    System.out.println("\nGenerated 2D Array (Product of indices):");
    for (int i = 0; i < rows; i++) {
```

