1.

public class ChessMatrix

{

private int [][] a = new int[8][8];

public ChessMatrix()

{

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

{

if(i%2 == 0)

{

a[i][0] = 0;

}

Else

{

a[i][0] = 1;

}

for(int j = 1; j < a[i].length; j++)

{

if(getOpposite(a[i][j-1]) != -1)

{

a[i][j] = getOpposite(a[i][j-1]);

}

else

System.exit(1);

}

}

}

public void printBoard()

{

for(int i = 0; i < a.length; i++, System.out.println())

{

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

{

System.out.print(a[i][j] + " ");

}

}

}

private int getOpposite(int a)

{

if(a == 0)

return 1;

else

if(a == 1)

return 0;

else

return -1;

}

public int[][] getMatrix()

{

return a;

}

public static void main(String []args)

{

ChessMatrix chessBoard = new ChessMatrix();

chessBoard.printBoard();

}

}

2.

import java.util.Scanner;

public class Mult

{

public static void main(String[] args)

{

// создаю двумерный массив 10 на 10

int[][] multiplyTab = new int[10][10];

for (int i = 0; i < 10; i++)

{

for (int j = 0; j < 10; j++)

{

multiplyTab[i][j] = (i+1)\*(j+1);

//вывод элементов массива

System.out.print(multiplyTab[i][j] + "\t");

}

System.out.println();

}

}

}

4.

public class Main

{

public static void main (String[] args){

int[] arr = new int[]{3, 7, 0, -24, 0, 8, -14, 5, -100, 36, 12};

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

if (primeNumber(arr[i]) == 1){

System.out.print(arr[i]+" ");

}

}

}

private static int primeNumber(int number)

{

for (int i=2; i<number; i++)

{

if (number%i == 0)

{

return 0;

}

if ((i==number) || (i>Math.sqrt(number)))

{

return 1;

}

}

return 0;

}

}