PRACTICAL – 11

PROGRAM -1

AIM- Write a program that generate 6\*6 two-dimensional matrix, filled with 0’s and 1’s , display the matrix, check every raw and column have an odd number’s of 1’s.

CODE-

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| import java.util.Scanner;  class Main{  public static void main(String[] args){  int[][] matrix = new int[6][6];  for(int i = 0; i < matrix.length; i++){  for(int j = 0; j < matrix[i].length; j++){  matrix[i][j] = (int)(Math.random() \* 2);  }  }  for(int i = 0; i < matrix.length; i++){  for(int j = 0; j < matrix[i].length; j++){  System.out.print(matrix[i][j] + " ");  }  System.out.println();  }  int count = 0;  for(int i = 0; i < matrix.length; i++){  for(int j = 0; j < matrix[i].length; j++){  if(matrix[i][j] == 1){  count++;  }  }  if(count % 2 != 0){  System.out.println("Row " + (i+1) + " has an odd number of 1's");  }  count = 0;  }  for(int i = 0; i < matrix.length; i++){  for(int j = 0; j < matrix[i].length; j++){  if(matrix[j][i] == 1){  count++;  }  }  if(count % 2 != 0){  System.out.println("Column " + (i+1) + " has an odd number of 1's");  }  count = 0;  }  }  } |

OUTPUT-

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