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ASSIGNMENT-7
Write a e-mogram to detect error cheeking using 2-D
tostited.
# include < stdio · h >
lut main ()9
  int m, n, avui [10][10], avui [10][10];
  ivd 1,5;
 Printf (" m - - - Sonden - - - · m");
 Print (" Enter Row Sizo -->> ");
 sconf (" 1/2", avoil
  seanf (" Y.d", &m);
  Print f ("In");
  Printf (" Enten Column Size -->>");
  Sean + ("7,d",2 n);
  Printf (" In");
   frint ("Grive The 1xt Array infuts -->>");
   Print f (= |n");
   for (100; icm; i++) {
     for (j.o; jen; j++) f
             sanf ("7.2", & avoit ] [j]);
    Print ("In trinding The matrin -->> \n");
```

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for (120; i < m; i++) 5
     for (520; 5 くか; ラナナ)ら
         Print ("% d", aun [1] [5]);
       Print # ("1");
  Print ("In cheeking Even Parity Row wise -- >> ");
  for (i=0; i<m ; i++) {
        int count 1 20;
       for (320; 5cm; 5++) f
         if (ann [2] [1] == 1).
               count st+;
        if ( Bunt 1 7, 2 = = 0)
         000 [m] [i] 20;
       else over [m] [i] = 1;
 Print+ (" In checking Even Parity Bloumn wise->)
     for (120; icm+1; i++)[
          int Ount 20;
          for (5.0; 5cm; 5+1) {
                is (worti][i] == 1)
                3 Count ++;
```

```
if ( count 1:2 = =0)
        avu[i][n] = 0;
   else
      aut[i][n] = 1;
Printf ("In Aften cheeking the even rouity -->> \n").
     for (1=0; 1cm+1; i+1) 9
          tor (520; 5<n+1; 5++) {
              Prints ("%d", am [i][j]);
        Print & ("m");
     printf("In -- -- Received -- -- In");
    Printf ("Given the 2nd Array input = -2)");
    brint ("/");
    for (120; 1 cm; 1++)?
         for (520; 5(m; j++) 9
              seanf ("14", & worlli][i]);
 Prints (" In Printing the Matrix -->> m");
  for (120; icm; i++)?
       for ( +20; + < n; ++) f
        prints ("1.d ", over16-17 (5));
```

```
Arint f(" \n");
Printf ("In theking the error and Printing the position
   of error - ->>\n");
    tor(120; icm; i+t) 9
      for ( j 20; 5 cn; 5++ ) {
        ([it [i] inco = 1 [if [i] noce) $i
              Prints ("Error At -- ROW ->> 1.d Column
           -->> 1.d -- Position", i, i);
        Briwtf (" /n");
       Potwin O;
         Give the 1st away inputs ->>
Printing the matrix - ))
   101
   001
cheeking Even parity Row wise -->>
 enceking kun Pavity alumn wise ->>
  After checking the even posity - ->>
```

0 1 01 -- - Received -Given the 2D Array input - - >> frinting the matrix - ->> execking the error and printing the foxidion of error -- >> Error at -- Row ->> 6 column ->> (-- Position