ALGORITHM

• Step-1 :- START  
• Step-2 :- Create a class named as decimal.

• Step-3 :- Create a function named as dec\_con which takes an integer type array and two integer arguments and displays the decimal equivalent of the given number. In this function, first create a for loop (from 0 to row length of array) inside which create a variable named decNum and initialise it with 0. Inside the runnng for loop, start another for loop (from 0 to column length of array) and then store the sum value of the the array indexes at [i][j] raised to the power (8,n-j-i) in the variable decNum, in this loop print the array element at [i][j]. After the inner for loop ends, print the value of decNum.

• Step-4 :- Create a function named as main and call the method dec\_con and pass the array and the number of rows and columns as arguments after taking the input of number of rows and columns and the array from the user.

• Step-5 :- END

VD TABLE

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Variable | Data Type | Description |
| 1 | i | int | To store the value of the  loop variable  To store the value of the  loop variable  To store the number of  rows  To store the number of  columns  To store the sum of  decimal equivalent of the array indexes  To store the array elements |
| 2 | j | int |
| 3 | m | int |
| 4 | n | int |
| 5 | decNum | int |
| 6 | a | int |

OUTPUT

