ALGORITHM

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

• Srep-3 :- Create a parameterized constructor to initialize the instance variable int m and n and also initialize arr with m & n.

• Step-4 :- Create a void method "fillArray()" to accept elements in the array arr[m][n].

• Step-5 :- Create a int method "reverse(int x)" to reverse any no.

• Step-6 :- Create a void method "revMat(MatRev p)" to reverse the matrix with the help of "reverse(int x)".• Step-7 :- Create a void method "show()" to display a matrix.

• Step-8 :- Create the "main" method to input the no. of rows and columns and create two objects obj1 & obj2 then take input in one array and fill the other array with the reverse integers of the first array, then print both.

• Step-9 :- END

VD TABLE

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Variable | Data Type | Description |
| 1 | arr[][] | int | A array to store integers in m rows and n columns  Stores no. of rows  Stores no. of columns  Parameter for no. of rows in MatRev(int mm, int nn) Parameter for no. of  columns in MatRev(int  mm, int nn)  Looping variable in  fillArray() & show()  Looping variable in  fillArray() & show()  Store the reverse of a no. Store the user input no. of rows.  Store the user input no. of columns. |
| 2  3  4 | m  n  mm | int  int  int |
| 5 | nn | int |
| 6 | i | int |
| 7 | j | int |
| 8  9 | rev  x | int  int |
| 10 | y | int |

OUTPUT

