#include <stdio.h>

#include <stdlib.h>

#define FAIL 1

Void freeAllocatedMemory(int \*\*arr, int nRow)

{

Int iRow = 0;

For (iRow =0; iRow < nRow; iRow++)

{

Free(arr[iRow]);

}

Free(arr);

}

Int main(int argc, char \*argv[])

{

Int \*\*arr = NULL;

Int nRow = 0;

Int nColumn = 0;

Int iRow = 0;

Int iCol = 0;

Printf(“\nEnter the number of Row = “);

Scanf(“%d”,&nRow);

Printf(“\nEnter the number of Column = “);

Scanf(“%d”,&nColumn);

Arr = (int \*\*)malloc(nRow \* sizeof(int\*));

If(arr == NULL)

{

Return FAIL;

}

For (iRow =0 ; iRow < nRow ; iRow++)

{

Arr[iRow] = (int \*)malloc(nColumn \* sizeof(int));

If(arr[iRow] == NULL)

{

freeAllocatedMemory(arr,iRow);

return FAIL;

}

}

For (iRow =0 ; iRow < nRow ; iRow++)

{

For (iCol =0 ; iCol < nColumn ; iCol++)

{

Printf(“\nEnter the value for [%d][%d] : “,iRow,iCol);

Scanf(“%d”,&arr[iRow][iCol]);

}

}

For (iRow =0 ; iRow < nRow ; iRow++)

{

For (iCol =0 ; iCol < nColumn ; iCol++)

{

Printf(“\narr[%d][%d] = %d\n”,iRow, iCol,arr[iRow][iCol]);

}

}

freeAllocatedMemory(arr,nRow);

return 0;

}