**DAY 29**

**CODE:**

#include<stdio.h>

#include<stdlib.h>

void construct(int\* original, int originalSize, int m, int n)

{

int a[m][n];

if(originalSize!=m\*n)

{

printf("\nArray cannot be converted!");

return;

}

else

{

printf("\nThe new 2D array is: \n");

int i=0;

while(i<originalSize)

{

for(int j=0;j<m;j++)

{

for(int k=0;k<n;k++)

{

a[j][k]=original[i];

i++;

printf("%d ",a[j][k]);

}

printf("\n");

}

}

}

}

void main()

{

int \*a,n,i;

int r,c;

printf("\nEnter the size of the array: ");

scanf("%d",&n);

a=(int \*)malloc(n\*sizeof(int));

printf("\nEnter the array: \n");

for(int i=0;i<n;i++)

{

scanf("%d",(a+i));

}

printf("\nEnter the row size and col size of the 2D array: ");

scanf("%d %d",&r,&c);

construct(a,n,r,c);

}

**OUTPUT:**



