Introduction to Computer Science

Quiz 6

SECTION G

27th November, 2014.

QUESTION

Write a function to compute the indices of the smallest entry in the 2D array. If there are multiple entries then return the index of the last smallest entry found in row major order in the 2D array.

SOLUTION

void smallestIndices(int arr[][COLS], int rows, int &smallestX, int &smallestY)

{

int i,j;

smallestX = 0;

smallestY = 0;

for (i=0;i<rows;++i)

{

for (j=0;j<COLS;++j)

{

if (arr[i][j] <= arr[smallestX][smallestY])

{

smallestX = i;

smallestY = j;

}

}

}

}