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F Section

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C Program to find transpose of matrix

Algorithm
Step 1: Start
Step 2: Input r,c
Step 3: Enter array elements
Step 3.1: for(i=0; i<r; i++)
Step 3.2: for(j=0; j<c; j++)
Step 3.3: Input a[i][j]
Step 3.4: Repeat steps 3.1, 3.2, 3.3 until test condition becomes false.
Step 4: print elements of matrix are
Step 4.1: for(i=0; i<r; i++)
Step 4.2: for(j=0; j<c; j++)
Step 4.3: print a[i][j]
Step 4.4: Repeat 4.1, 4.2, 4.3 until test condition becomes false.
Step 5: Transpose of matrix is
Step 5.1: for(i=0; i<r; i++)
Step 5.2: for(j=0; j<c; j++)
Step 5.3: b[i][j] = a[j][i]
Step 5.4: print a[j][i]
Step 5.5: Repeat step 5.2, 5.3, 5.4 until the condition becomes false.
Step 5.6: print("\n")
Step 5.7: Repeat step 5.1 until the condition becomes false.
Step 6: Stop

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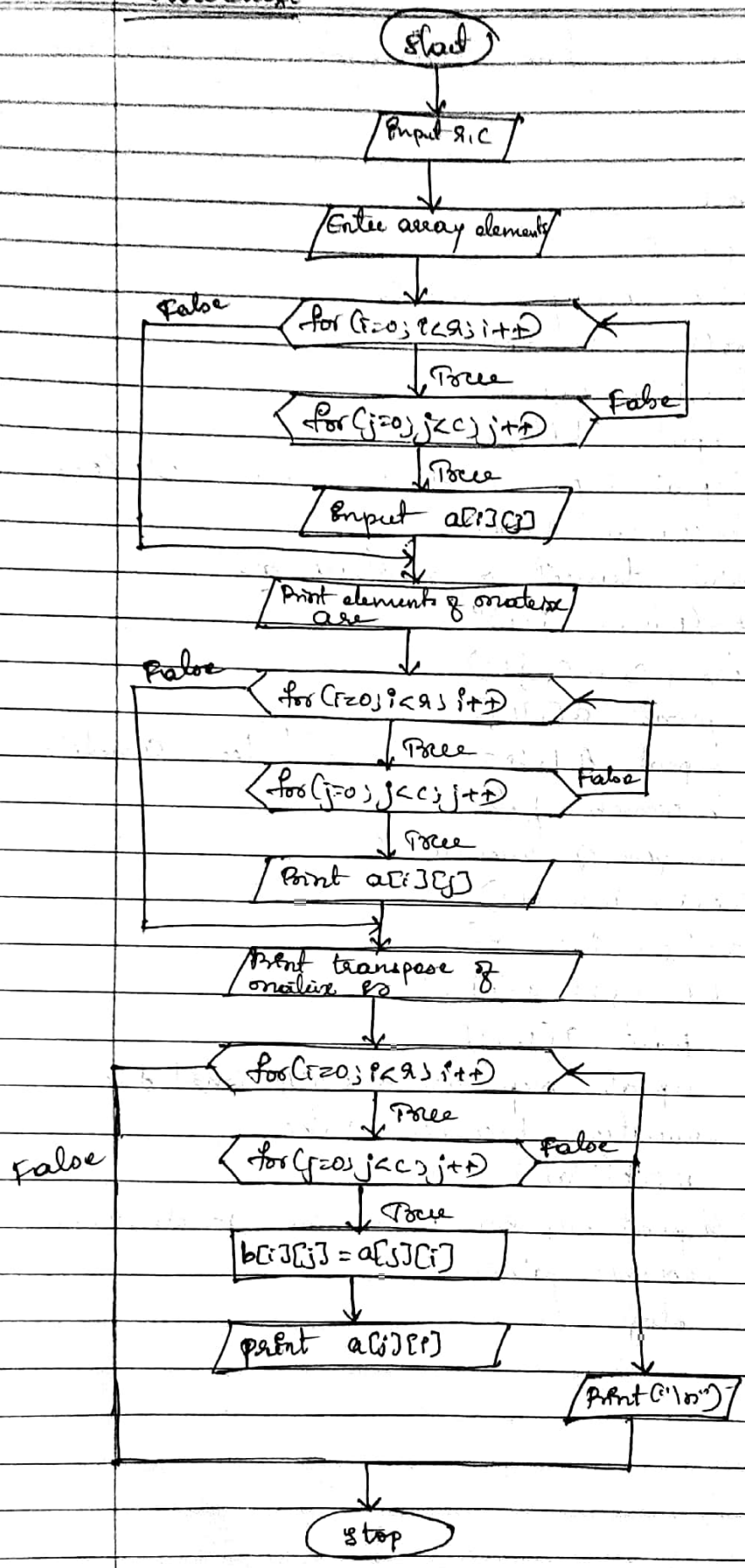
Flowchart



Anuja