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F Section

C Program to find diagonal sum and secondary diagonal sum.

Algorithm

Step 1: Start
Step 2: Input m,n, a=0, Sum=0
Step 3: if(m==n)
Step 3.1: Print the coefficients of matrix
Step 3.2: for(i=0; i<m; i++)
Step 3.3: for(j=0; j<n; j++)
Step 3.4: Input array[i][j]
Step 3.5: Repeat 3.2, 3.3, 3.4 until condition becomes false
Step 4: print the given matrix is
Step 4.1: for(i=0; i<m; i++)
Step 4.2: for(j=0; j<n; j++)
Step 4.3: print array[i][j]
Step 4.4: Repeat 4.2 and 4.3 until condition becomes false
Step 4.5: print("\n")
Step 4.6: Repeat 4.1 until condition becomes false
Step 5: for(i=0; i<m; i++)
Step 5.1: Sum=Sum+array[i][i]
Step 5.2: a=a+array[i][m-i-1]
Step 5.3: Repeat step 5 until condition becomes false
Step 6: print the diagonal sum
Step 7: print the secondary diagonal sum
Step 8: Stop
Step 8: else print the given order is not a square matrix
Step 9: Stop

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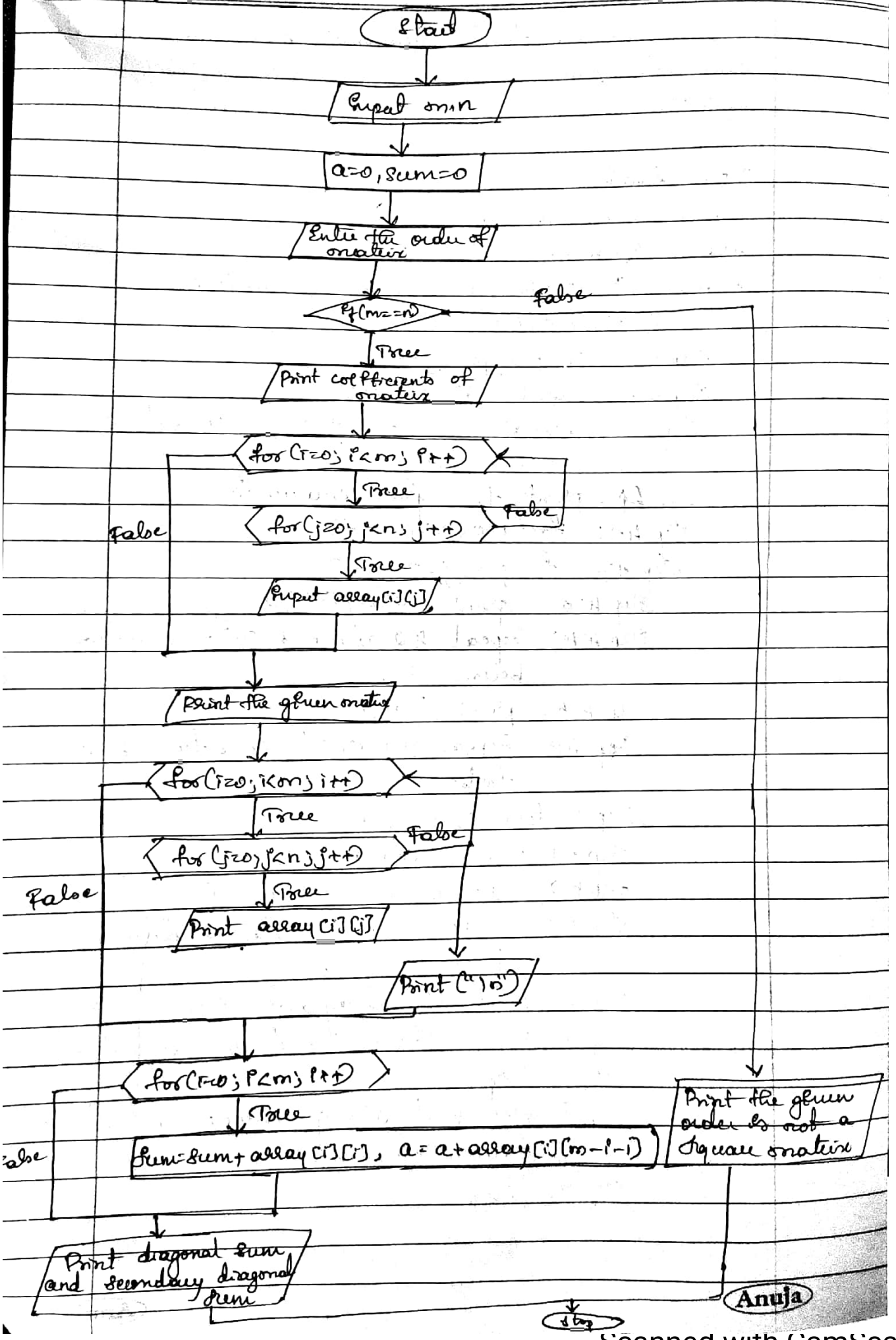
Flowchart



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