10 find addition & subtraction of matrices.

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Algorithm

Step 1. Start
Step 2. input row, col
Step 3. print the elements of matrix A
step 4. for (i=0; i<row; i++)
4.1 for (j=0; j<col; j++)
4.2 print the element
4.3 record a[i][j]
4.4 repeat 4.1, 4.2 until condi? becomes false.
Step 4.5 print ("\n")
Step 4.6 repeat 4 until condition becomes false
Step 5. print the elements of matrix B
5.1 for (i=0, i<row; i++)
5.2 for (j=0; j<col; j++)
5.3 print the element
5.4 record b[i][j]
5.5 repeat 5.2, 5.3, 5.4 until condi? becomes false.
5.6 print ("\n")
5.7 repeat 5 until condi? becomes false.
Step 6. print the addi? of A & B is
6.1 for (i=0; i<row; i++)
6.2 for (j=0; j<col; j++)
6.3 c[i][j] = a[i][j] + b[i][j]
6.4 repeat 6.1, 6.2, 6.3 until test Condition becomes false.

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Step 7: for (i=0; i<row; i++)
7.1 for (j=0; j<col; j++)
7.2 print c[i][j]
7.3 repeat 7.1, 7.2 until condi becomes false.
7.4 print ("\n")
7.5 repeat 7 until condi becomes false
Step 8 print the substraction of A & B is
8.1 for (i=0; i<row; i++)
8.2 for (j=0; j<col; j++)
8.3 d[i][j] = a[i][j] - b[i][j]
8.4 repeat 8.1, 8.2, 8.3 until condition becomes false
Step 9. for (i=0; i<row; i++)
9.1 for (j=0; j<col; j++)
9.2 print d[i][j]
9.3 repeat 9.1, 9.2 until condi be. false
9.4 print ("\n\t")
9.5 repeat step 9 until test condition becomes false.
Step 10 return 0
Step 11 stop.

Flowchart