```
CLS
10 REM To sum rows and columns of an array
20 READ M, N
30 FOR I = 1 TO M
40 FOR J = 1 TO N
50 READ X(I, J)
60 NEXT J
70 NEXT I
80 REM Printing of a table
90 PRINT "The given table with elements is:"
100 FOR I = 1 TO M
110 FOR J = 1 TO N
120 PRINT X(I, J);
130 NEXT J
140 PRINT
150 NEXT I
160 PRINT
170 REM Sum of each row
180 PRINT "Sum of columns in each row is:"
190 PRINT
200 SUM1 = 0
210 FOR I = 1 TO M
220 SUM(I) = 0
230 FOR J = 1 TO N
240 SUM(I) = SUM(I) + X(I, J)
250 NEXT J
260 PRINT "Row"; I, "SUM = "; SUM(I)
270 SUM1 = SUM1 + SUM(I)
280 NEXT I
290 PRINT
293 PRINT "Sum of row elements = "; SUM1
```

```
298 PRINT
300 PRINT "Sum of rows in each column is:";
310 PRINT
320 SUM1 = 0
330 FOR J = 1 TO N
340 LET SUM(J) = 0
350 FOR I = 1 TO M
360 SUM(J) = SUM(J) + X(I, J)
370 NEXT I
380 PRINT "Column"; J, "SUM = "; SUM(J)
390 LET SUM1 = SUM1 + SUM(J)
400 NEXT J
410 PRINT "Sum of column elements = "; SUM1
420 DATA 3, 3, 5, 6, 0, -23, 4, 17, 21, -8, 15, 5, 5, -18, 0, 11, 3, 1, -17, 12
428 END
```

```
RUN
The given table with elements is:
5    6    0
-23  4  17
21  -8   15

Sum of columns in each row is:
Row 1              SUM = 11
Row 2              SUM = -2
Row 3              SUM = 18

Sum of rows elements = 37
```

Sum of rows in each column is:

Column 1 SUM = 2

Column 2 SUM = 3

Column 3 SUM = 32

Sum of column elements = 37