SQUARE OUTPUT 1

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0 | (0,0) | (0,1) | (0,2) | (0,3) | (0,4) | (0,5) | (0,6) | (0,7) | (0,8) | (0,9) |
| 1 | (1,0) | (1,1) |  |  |  |  |  |  | (1,8) | (1,9) |
| 2 | (2,0) |  | (2,2) |  |  |  |  | (2,7) |  | (2,9) |
| 3 | (3,0) |  |  | (3,3) |  |  | (3,6) |  |  | (3,9) |
| 4 | (4,0) |  |  |  | (4,4) | (4,5) |  |  |  | (4,9) |
| 5 | (5,0) |  |  |  | (5,4) | (5,5) |  |  |  | (5,9) |
| 6 | (6,0) |  |  | (6,3) |  |  | (6,6) |  |  | (6,9) |
| 7 | (7,0) |  | (7,2) |  |  |  |  | (7,7) |  | (7,9) |
| 8 | (8,0) | (8,1) |  |  |  |  |  |  | (8,8) | (8,9) |
| 9 | (9,0) | (9,1) | (9,2) | (9,3) | (9,4) | (9,5) | (9,6) | (9,7) | (9,8) | (9,9) |

FOR LINE 1 AND 10, ARRAY LINE IS FILLED WITH STARS

FROM LINE 2 TO 9:

LINE START AND END ELEMENT IS FILLED WITH STAR.

Diagonal 1 AND 2:

total\_row = 10 (SUPPOSE)

VARIABLES: INDEX1 = 1 INDEX2= total\_row -2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ROW | COL STAR 2 | INDEX 1 | COL STAR 3 | INDEX 2 | INDEX 2 |
| 1 | 1 | 1 | 8 | 8 | total\_row -2 |
| 2 | 2 | 2 | 7 | 7 | total\_row -3 |
| 3 | 3 | 3 | 6 | 6 | total\_row -4 |
| 4 | 4 | 4 | 5 | 5 | total\_row -5 |
| 5 | 5 | 5 | 4 | 4 | total\_row -6 |
| 6 | 6 | 6 | 3 | 3 | total\_row -7 |
| 7 | 7 | 7 | 2 | 2 | total\_row -8 |
| 8 | 8 | 8 | 1 | 1 | total\_row -9 |
| 9 | 9 | 9 | 0 | 0 | total\_row-10 |

INDEX1++

INDEX2--