```
for (int row = 0; row < 3; row++) {
  for (int col = 0; col < 4; col++) {

    *(*(arr + row) + col) = row * 4 + col + 1;
```

Address to the first element of row

Address of element at row index `col` and column index `col`

```
    // OR
    // arr[row][col] =  row * 4 + col + 1;
  }
}
```