

```
int rows = 3;  
int cols = 5;
```

```
int** arr = new int*[rows];
```

```
for (int i = 0; i < rows; i++) {  
    arr[i] = new int[cols];  
}
```

Local pointer
to pointer
arr

1d arrays
(pointers to
first
element of
arrays) on
heap

Arr[0]

Arr[1]

Arr[1]

Arr[0][0]

Arr[0][1]

Arr[0][2]

Arr[1][0]

Arr[1][1]

Arr[1][2]

Arr[2][0]

Arr[2][1]

Arr[2][2]

Integers on heap.
Addressable via the
indices of their parents.