



translate row, col to index

$$\text{index} = \text{row} * \text{cols} + \text{col}$$

↑
number of cols

translate index to row, col

$$\text{row} = \text{index} / \text{cols};$$

$$\text{col} = \text{index} \% \text{cols};$$

```
int get(int r, int c){  
    return arr2D[r][c];  
}
```

```
int get(int r, int c){  
    int index = r * cols + c;  
    return arr1D[index];  
}
```

```
cd cs11
```

```
mkdir workspace
```

```
eclipse &
```