

## 2D Array

File content :

```
1 1 1 0 0 0
0 1 0 0 0 0
1 1 1 0 0 0
0 0 0 0 0 0
0 0 0 0 0 0
0 0 0 0 0 0
```

### 1- Convert the given text based file (6x6.txt ) into 2D array

There will be exactly 6 lines of input, each containing 6 integers separated by spaces. Each integer will be between -9 and 9, inclusively

Complete the below code:

```
$obj = new ConvertClass('6x6.txt');
$obj->build2DArray();
echo $obj->data;
```

### 2- Define how many hourglasses are in given file:

An hourglass in an array is defined as a portion shaped like this:

```
a b c
  d
e f g
```

The first 3 hourglasses will look like:

```
1 1 1      1 1 0      1 0 0
  1          0          0
1 1 1      1 1 0      1 0 0
```

complete the code below:

```
$obj = new ConvertClass('6x6.txt');
echo $obj->hourglassesCount();
```

### 3- Max sum hourglasses:

You have to *print the largest sum among all the hourglasses* in the array

The largest sum of given hourglasses (in file 6x6.txt) is 19

```
2 4 4
  2
1 2 4
```

$2+4+4+2+1+2+4 = 19$

complete the code below:

```
$obj = new ConvertClass('6x6.txt');
echo $obj->hourglassesMaxSum();
```