There are 18 weather stations across a large island, stored in a 1D global array, `StationName[]`
Each station takes a temperature reading every hour of the week – 168 readings. This is stored in a 2D global array `Temp[]`, where the first index is the station number, corresponding to the `StationName` entry, and the second index the hour of the reading in the week.

Sample data is shown below

`StationName`

1	Lightdell
2	Esterlyn
3	Icefield
4	Bridgemarsh
5	…

`Temp`

	1	2	3	4	5	6	…	168
1	10.0	11.9	13.7	15.5	17.1	…		
2	11.8	12.0	11.8	11.4	10.7	…		
3	19.0	19.0	19.0	19.0	18.9	…		
4	12.1	12.1	12.1	12.2	12.3	…		
5	…	…	…	…	…	…		

A subprogram `CaptureData()` captures the data into the arrays.

Various outputs are required:

- Maximum temperature for each station through the week
- The name of the station with the hottest temperature.
- Average Temperature for each hour across all stations
- A count of the total number of hours across all stations where the temperature is at or above 30°C.

You must use pseudocode or program code and add comments to explain how your code works. Declare all the variables required, including `StationName` and `Temp` and include a call to `CaptureData()` to initialise the arrays.