Software Development Week 5

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1 Data Structures and File Formats

1.1 Difference between Array and Record

The difference between an Array and a Record is that an array usually refers to an indexed array whereas a record usually refers to an associative array

1.2 File Formats

1.2.1 CSV File

```
Draw No, Date, Num1, Num2, Num3, Num4, Num5, SuppNum, 45, 7 Mar 2020, 22, 33, 23, 4, 14, 7, 45, 14 Mar 2020, 34, 35, 23, 12, 18, 31
```

1.2.2 XML File

2 Iteration (Loops)

2.1 Difference between While and Do While Loop

The difference between a While loop and a Do While loop is that a While loop checks for the condition before executing whereas a Do While loop checks for the condition after executing

2.2 While / Do While Loop

```
<?php
$i = 0
while ($i < 10) {
    $i = $i + 1;
    echo $i;
}
</pre>
```

2.3 Maximum Temperature

```
if ($temp < 20.0 || ($temp > 22.0 && $temp < 32.0)) {
    return "$date: $temp < br>";
}

for ($i = 0; $i < count($data[0]); $i++) {
    echo checkTemp($data[0][$i], $data[1][$i]);
}</pre>
```

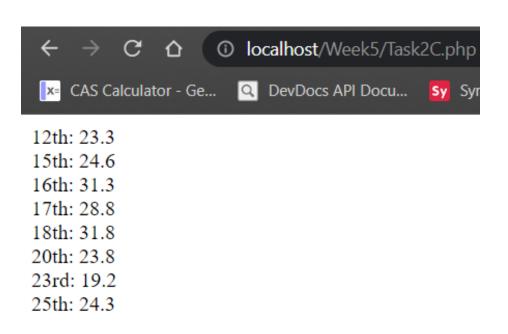


Figure 1: The output of the code shown above