



```
<?php
```

```
# The following function is called whenever your program needs to input data.
# You can change it to use other sources rather than fgets().
```

```
function input() {
    return fgets(STDIN);
}
```

```
# Main
```

```
# Determine a maximum from a list of inputs.
```

```
# Made by Ruben van de Guchte
```

```
$A = array();
```

```
# Index is used in the first loop to count the amount of inputs.
```

```
$index = 0;
```

```
$amount = 0;
```

```
# Current is used to transfer your input into the array
and as a condition to break the loop.
```

```
$current = 1;
```

```
# Collect all inputs, put them in the array and save the amount of inputs.
```

```
while ($current != 0) {
    $current = input();
    $A[$amount] = $current;
    $amount = $amount + 1;
}
```

```
# Save the amount of inputs in 'Amount'
```

```
# Create an array with a limited amount of Variables.
```

```
$B = array();
```

```
# Transfer the inputs into the new array.
```

```
while ($amount != $index) {
    $B[$index] = $A[$index];
    $index = $index + 1;
}
$index = 0;
$maximum = $B[0];
```

```
# Determine maximum.
```

```
while ($index < $amount) {
    if ($maximum < $B[$index]) {
        $maximum = $B[$index];
    }
    $index = $index + 1;
}
```

```
echo $maximum . PHP_EOL;
```

```
?>
```