Loops

1. What is the last value alerted by this code? Why?

```
let i = 3;

while (i) {
  alert( i-- );
}
```

2. For every loop iteration, write down which value it outputs

```
let i = 0;
while (++i < 5) alert( i );
```

```
let i = 0;
while (i++ < 5) alert( i );
```

3. Use the `for` loop to output even numbers from `2` to `10`.
4. Rewrite the code changing the `for` loop to `while` without altering its behavior (the output should stay same).

```
for (let i = 0; i < 3; i++) {
  alert( `number ${i}!` );
}
```

5. Write a loop which prompts for a number greater than `100`. If the visitor enters another number – ask them to input again. The loop must ask for a number until either the visitor enters a number greater than `100` or cancels the input/enters an empty line. Here we can assume that the visitor only inputs numbers. There's no need to implement a special handling for a non-numeric input in this task.
6. An integer number greater than `1` is called a prime if it cannot be divided without a remainder by anything except `1` and itself. Write the code which outputs prime numbers in the interval from `2` to `n`. P.S. The code should work for any `n`, not be hard-tuned for any fixed value.