```
//exercises 1

let i = 3;
while (i)
{ alert( i-- ); }

//The last value displayed by this code will be the number 1. After displaying the number 1, the value of i
//will be decremented by 1 and will become 0. The while loop condition will become false, so the loop will terminate.

//exercises 2

//first part
//1
//2
//3
//4
//second part
//1
//2
//3
//4
//5

//exercises 3

for (let i = 2; i <= 10; i += 2) { console.log(i); }

//exercises 4

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

//exercises 5

let number;
do { number = prompt("Please enter a number greater than 100:", "");
if (number !== null && number <= 100) { alert("Please enter a number greater than 100.");
}
 } while (number !== null && number <= 100);

//exercises 6
```

```
function isPrime(num) {
if (num <= 1) {
return false;
}

for (let i = 2; i <= Math.sqrt(num); i++) {
if (num % i === 0) {
return false;
}
}

return true;
}
function printPrimesInRange(n) {
for (let i = 2; i <= n; i++) {
if (isPrime(i)) { console.log(i);
}
}
}

let n = 20;
console.log(Prime numbers between 2 and ${n}:);
printPrimesInRange(n);
```