1. Explain how does this function affect the event-loop?

console.log('Start');

[1, 3, 4, 2, 1, 5].removeNum(1).then(console.log);

console.log('Finish');

Start

Finish

[3, 4, 2, 5]

Ans:

It the event V8 works synchronously, so it will print the start and it goes to removeNum and when it get to await it will push the callback function to web ApI, the WEB API will push the processed callbacks to a queue. The processed callbacks will wait until all the synchronous calls are done being executed and asynchronous will get pulled from queue and get executed. This is it will affect the event loop.