Analyzing the mobile [YouTube](https://www.youtube.com) page for performance using the lighthouse extension made by google. From the analysis provided it shows youtube having an extremely poor performance score due to many factors. These range from a slow score in the speed index, having quite a bit of unused javascript causing unneeded bloat, and spending too much time parsing, compiling and executing the javascript.

Ways the report recommends improving the performance of this site is as follows:

1. Minimize Main Thread work
   1. This reduces the time spent parsing, compiling and executing the javascript
2. Reduce Javascript execution time.
   1. THis is similar to the point above but also delivering smaller JS payloads can help
3. Reduce unused Javascript
   1. Deferring loading scripts until they are needed can save on data being consumed by the network.