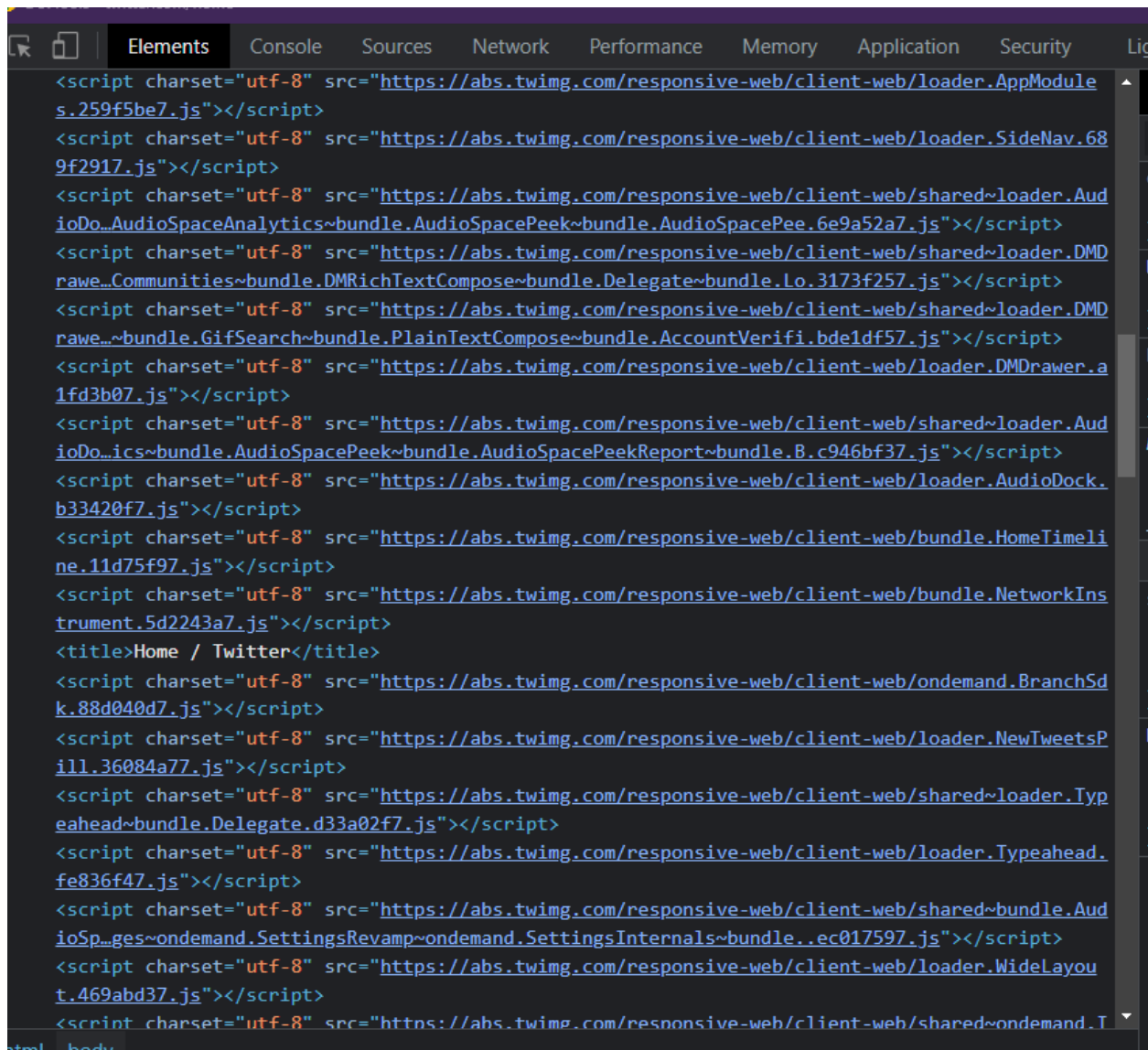


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Module 1
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When looking at a new language I think it's very important to do a few things. First, I like to look at other projects on github or tutorials on websites like freecodecamp, see what the syntax is like, and how much you have to write for something that should be simple. Next thing I would do is look into the official documentation, for javascript I think MDN is really good as they have a very large section of syntax, and examples, and projects that you can do with vanilla javascript, and other javascript frameworks. As with every language, always keeping sites like Geeksforgeeks, W3, and stackoverflow open helps a lot as you learn how to program with the language, and look up how to fix certain problems that may come up when writing code. The first site im looking at is Twitch.tv, right off the bat I see 2-3 script tags in the header, looking at them one has some random empty code in it, the other seems to be data for the video im watching in json format

```
js#name=K0wyKfa0K0zMPwJPVInKc4fEgE1oZawi&ns=NOLBUNDLE"></script>
<script type="application/ld+json">
  [{"@type":"VideoObject","@context":"https://schema.org","description":"✅ CLICK NOW✅ MASSIVE
  JUICE✅ LONG 24HR+ RESETER✅ GOLEM GAMER✅ WARLORD RECORD SMASHER✅ INTERGALACTICAL
  LEADER✅ MONSTER WORLDWIDE COMMANDER","embedUrl":"https://player.twitch.tv/?
  channel=xqc\u0026player=facebook\u0026autoplay=true\u0026parent=meta.tag","name":"xQc -
  Twitch","thumbnailUrl":["https://static-cdn.jtvnw.net/previews-ttv/live_user_xqc-
  80x45.jpg","https://static-cdn.jtvnw.net/previews-ttv/live_user_xqc-
  320x180.jpg","https://static-cdn.jtvnw.net/previews-ttv/live_user_xqc-
  640x360.jpg"],"uploadDate":"2022-05-22T21:42:03Z","publication":
  {"@type":"BroadcastEvent","endDate":"2022-05-23T22:02:44Z","startDate":"2022-05-
  22T21:42:03Z","isLiveBroadcast":true}]}] == $0
</script>
```

Finally at the bottom of the page are the script tags which I assume come from the framework that twitch is built on which I believe is React. So from Twitch I can say that the actual code that makes the site work goes towards the bottom of the body, and smaller snippets of code can go into the head. Next I looked at Twitter, same as Twitch using React, the actual code from react is in the bottom of the body, but this time they had a lot of script tags in the header which titles like "loader" "audiodock" "networkinstrument" "sharedbungle"



```
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/loader.AppModule
s.259f5be7.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/loader.SideNav.68
9f2917.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/shared~loader.Aud
ioDo...AudioSpaceAnalytics~bundle.AudioSpacePeek~bundle.AudioSpacePee.6e9a52a7.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/shared~loader.DMD
rawe...Communities~bundle.DMRichTextCompose~bundle.Delegate~bundle.Lo.3173f257.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/shared~loader.DMD
rawe...~bundle.GifSearch~bundle.PlainTextCompose~bundle.AccountVerifi.bde1df57.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/loader.DMDrawer.a
1fd3b07.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/shared~loader.Aud
ioDo...ics~bundle.AudioSpacePeek~bundle.AudioSpacePeekReport~bundle.B.c946bf37.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/loader.AudioDock.
b33420f7.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/bundle.HomeTimeli
ne.11d75f97.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/bundle.NetworkIns
trument.5d2243a7.js"></script>
<title>Home / Twitter</title>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/ondemand.BranchSd
k.88d040d7.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/loader.NewTweetsP
ill.36084a77.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/shared~loader.Typ
eahead~bundle.Delegate.d33a02f7.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/loader.Typeahead.
fe836f47.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/shared~bundle.Aud
ioSp...ges~ondemand.SettingsRevamp~ondemand.SettingsInternals~bundle..ec017597.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/loader.Widelayu
t.469abd37.js"></script>
<script charset="utf-8" src="https://abs.twimg.com/responsive-web/client-web/shared~ondemand.T
```

It looks like over 50 script tags in the header.

Tutorialspoint says that javascript gives us the flexibility to include javascript code anywhere in an html document, though it is best in the head and body. If you need a script to run events, like user clicks it is better to put it into the header as these event need to occur no matter what, while we put script tags in the body that contain dynamically loaded code. For react it goes in the body portion because it handles the delivery of each page dynamically so that It feels like there is no loading.

https://www.tutorialspoint.com/javascript/javascript_placement.htm