**9. What is the difference between Server Side Rendering (SSR) and Static Site Generation**

**(SSG)? When would you prefer SSG over SSR?**

**Static Site Generation(SSG)**

* They are ultra-fast. All of the content of your website is generated as HTML files ahead of time
* They are more secure when compared to dynamic websites
* A static website is plain and simple, just a collection of HTML files hosted on a server.
* They are straightforward to host. It is just as easy as uploading a couple of HTML files into a web server.
* Hosting a static website is very cheap. They are not many resources to serve up a static website, hence the low bandwidth and memory usage.Example:Github.

**Server-Side Rendering(SSR)**

* It is the best when it comes to search engine optimization. Every page is rendered on the website’s server independently
* SSR allows page content to be focused and relevant to the social crawlers.
* Google and other search engine will thus be able to take account of your web page’s performance to enhance your web content ranking.

**When to use SSG over SSR**

* It is considered a good choice for high performance environment.
* SSG fits well when you have a lot of static content; it is fast and improves loading time for static HTML files.
* It is considered a good choice for SEO-ranked content.