JIT VS AOT

JIT (JUST IN TIME)

* Compile at run time. codes are compiled when are needed, not at the build time. instead of converting to byte code at build time, it will compile byte code when component is called. 🡪 not all code compiled initially
* Compiles file separately and mostly in browser.
* Most compiling done at browser, less compiling time.
* Best to use when application is in local development.
* Run app using **ng build** OR **ng serve**

AOT(AHEAD OF TIME)

* Compile or convert high-level language into codes that machine understands, therefore it is system dependent.
* When server builds angular, AOT will convert the code during the build time (build solution) before the browser downloads and runs the code.
* It minimizes the size of application
* Since AOT compiles during build, it renders the component faster
* Because it is compiled at run time, it detects error earlier
* Provides better security since compilation is done before displaying to users, avoid injection attack.
* Run app using **ng build - -aot** OR **ng serve - -aot**